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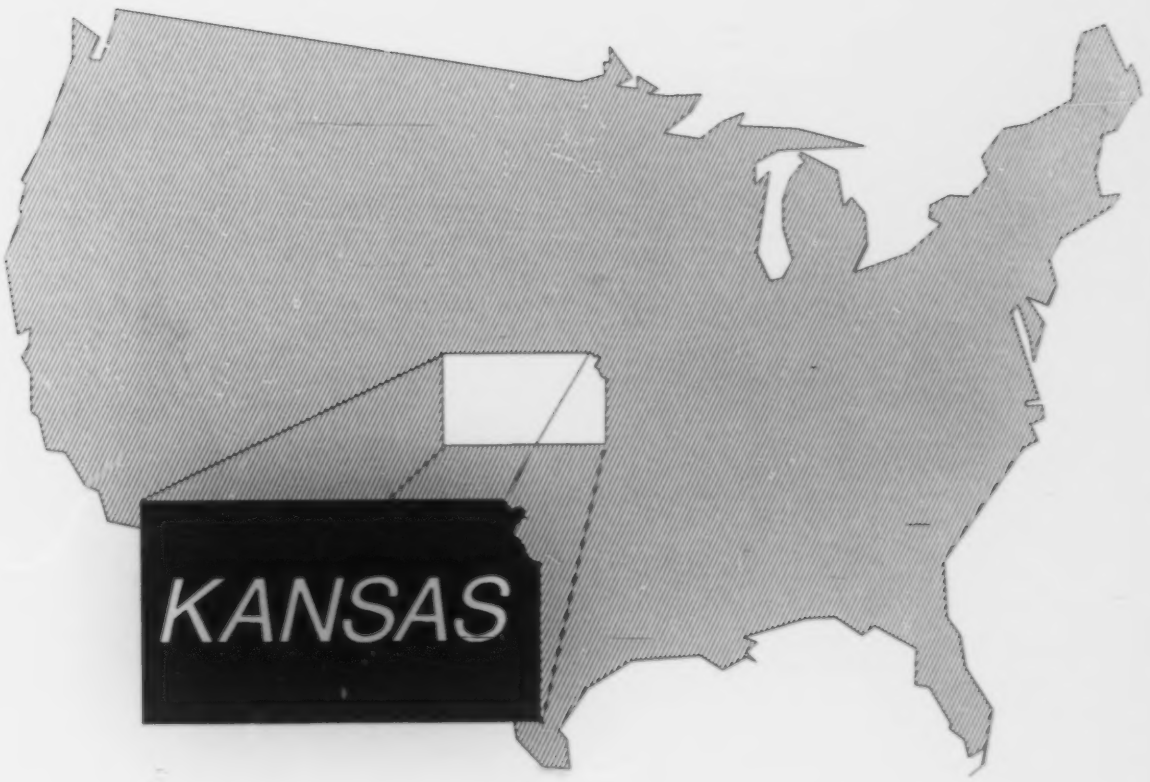
Annual Summary of Vital Statistics

1987



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ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 1987

Mike Hayden, Governor

Stanley C. Grant, Secretary of Health and Environment

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Division of Information Systems

Office of Communication Services

Office of Vital Statistics

December 1988

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Introduction

INTRODUCTION

The 1987 edition of the **Annual Summary of Vital Statistics** is a summary of data compiled from vital records for the 1987 calendar year. The contents of this report include summaries of vital events such as live births, fetal deaths, abortions, deaths, marriages and marriage dissolutions documented by certificates filed with the Office of Vital Statistics, Division of Information Systems. This document provides its users with an overview of the events contributing to the health status of Kansans.

The reader will notice that the 1987 edition of the **Annual Summary of Vital Statistics** has undergone a dramatic format change. There is less narrative in this edition in order to allow you, the reader, to draw your own conclusions about the data presented. More detailed information and statistical analyses are included in this edition with hopes of providing the most information possible in a concise form. Furthermore, enhancements in computer technology have provided the tools to facilitate the generation of the charts and graphs presented in this report. We hope the reader agrees with the authors that this edition of the **Annual Summary of Vital Statistics** is vastly improved in content and format. Comments concerning improvements on the format or content of this report are welcomed. The **Annual Summary of Vital Statistics** is a summary of the health data collected by the State of Kansas on vital events. More detailed information is available upon request from the Kansas Department of Health and Environment, Division of Information Systems, Office of Communication Services, Research and Analysis Section.

Vital Events

VITAL EVENTS HIGHLIGHTS

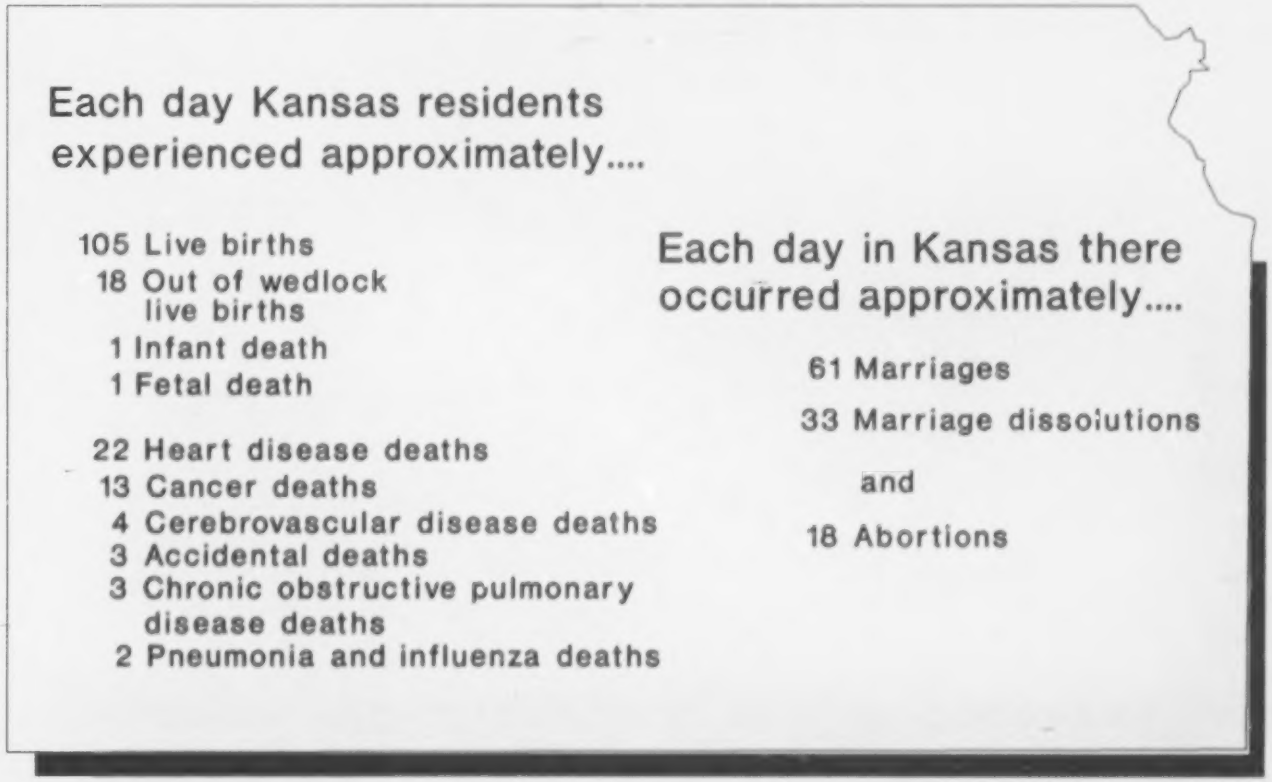
- Registration of Kansas vital events (live births, total deaths, fetal deaths, marriages, marriage dissolutions) decreased 1.5 percent from 96,583 in 1986 to 95,121 in 1987. (Table 1, Figure 2)

- Between 1977 and 1987, the largest percentage changes were a 69.3 percent increase in the number of out-of-wedlock births and a 46.6 percent decrease in the number of hebdomadal deaths. (Table 1)

- The live birth rate in 1987 (15.5) decreased 2.5 percent from the 1977 rate of 15.9. The death rate decreased 3.3 percent, from 9.2 in 1977 to 8.9 deaths per 1,000 population in 1987. The marriage rate in 1987 decreased 11.8 percent, from 10.2 in 1977 to 9.0 in 1987. The marriage dissolution rate decreased 9.3 percent during this time period, from 5.4 to 4.9. (Table 1, Figure 3)

- Fetal, hebdomadal, perinatal, neonatal and infant death rates decreased considerably after 1977. In 1984, the infant death rate fell below 10.0 infant deaths per 1,000 live births for the first time since statewide registration began. (Table 1, Figure 3)

EVERY DAY DURING 1987*



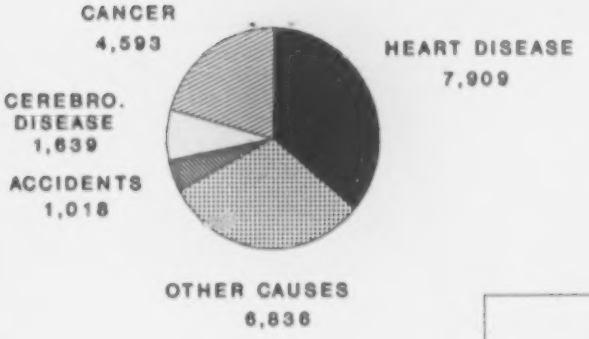
*BASED ON A 365 DAY YEAR

Figure 1

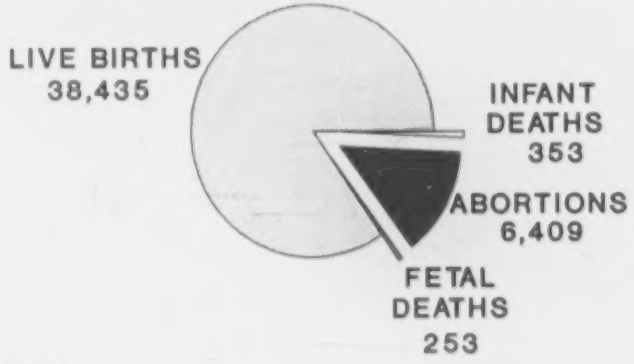
KANSAS VITAL STATISTICS FOR 1987

DEATHS

TOTAL: 21,995

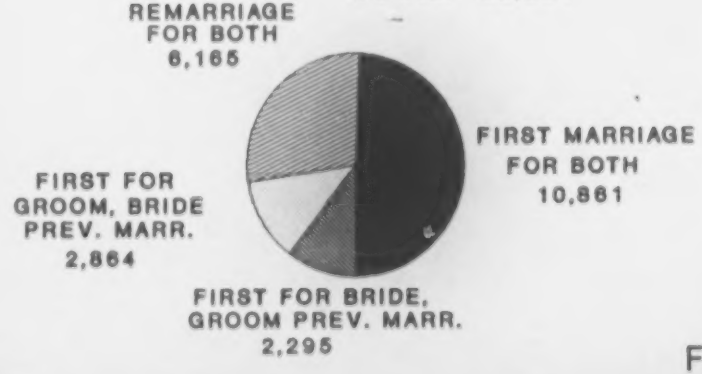


PREGNANCY OUTCOMES



MARRIAGES BY MARRIAGE ORDER

TOTAL: 22,220



MARRIAGE DISSOLUTIONS BY DURATION OF MARRIAGE

TOTAL: 12,218

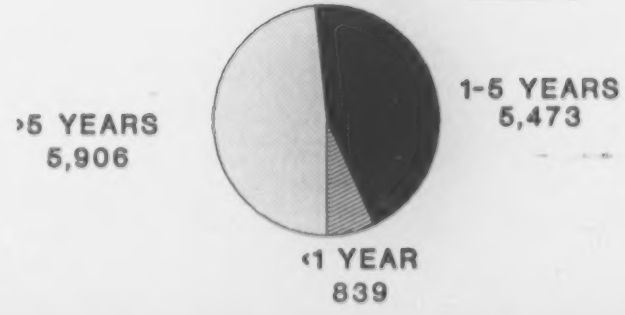


Figure 2

TABLE 1
SELECTED VITAL EVENT RATES AND RATIOS
KANSAS, 1977-1987

Vital Event	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Live Births											
Number	36,827	36,581	38,916	40,686	41,202	40,757	40,365	39,954	39,418	39,177	38,435
Rate	15.9	15.6	16.5	17.2	17.3	16.9	16.6	16.4	16.1	15.9	15.5
Out-of-Wedlock Births											
Number	3,873	4,183	4,593	4,979	5,086	5,259	5,243	5,501	5,818	6,549	6,558
Ratio	10.5	11.4	11.8	12.2	12.3	12.9	13.0	13.8	14.8	16.7	17.1
Fetal Deaths											
Number	308	331	330	340	316	336	296	277	274	242	253
Rate	8.3	9.0	8.4	8.3	7.6	8.2	7.3	6.9	6.9	6.1	6.5
Hebdomadal Deaths											
Number	335	224	260	226	264	234	202	200	184	153	179
Rate	9.1	6.9	6.7	5.6	6.4	5.7	5.0	5.0	4.7	3.9	4.7
Perinatal Period III Deaths											
Number	643	585	590	566	580	570	498	477	458	395	432
Rate	17.3	15.8	15.0	13.8	14.0	13.9	12.3	11.9	11.5	10.0	11.2
Neonatal Deaths											
Number	373	302	301	269	322	273	237	251	227	190	208
Rate	10.1	8.3	7.7	6.6	7.8	6.7	5.9	6.3	5.8	4.8	5.4
Infant Deaths											
Number	480	440	427	412	452	417	406	392	357	337	353
Rate	13.0	12.0	11.0	10.1	11.0	10.2	10.1	9.8	9.1	8.6	9.2
Maternal Deaths											
Number	4	8	3	4	6	3	4	4	3	1	1
Rate	1.1	2.2	0.8	1.0	1.5	0.7	1.0	1.0	0.8	0.3	0.3
Total Deaths											
Number	21,271	21,566	21,062	21,910	21,579	21,700	21,816	22,184	21,808	22,133	21,995
Rate	9.2	9.2	8.9	9.3	9.0	9.0	9.0	9.1	8.9	9.0	8.9
Marriages											
Number	23,673	23,975	24,774	24,847	26,137	26,670	25,877	24,737	23,281	22,667	22,220
Rate	10.2	10.2	10.5	10.5	10.9	11.1	10.7	10.1	9.5	9.2	9.0
Divorces and Annulments											
Number	12,629	12,668	12,749	13,410	13,737	12,392	12,207	12,905	12,794	12,364	12,218
Rate	5.4	5.4	5.4	5.7	5.8	5.1	5.0	5.3	5.2	5.0	4.9

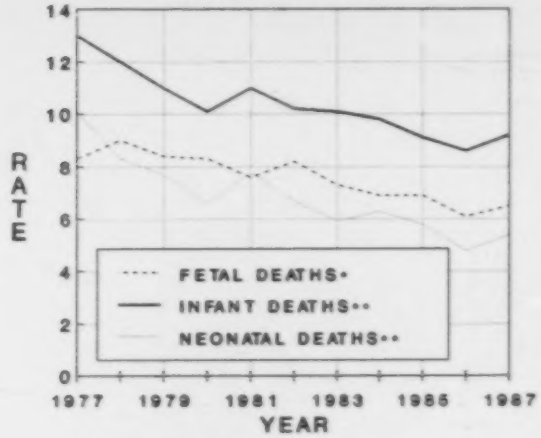
Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SELECTED VITAL EVENT RATES
KANSAS, 1977-1987

BIRTH AND DEATH RATES
KANSAS, 1977-1987

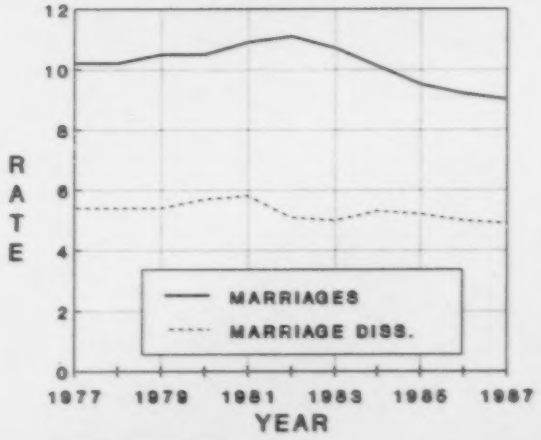
RATE PER 1,000 POPULATION
RESIDENCE DATA

FETAL, INFANT AND NEONATAL DEATH RATES
KANSAS, 1977-1987



*RATE PER 1,000 TOTAL BIRTHS
**RATE PER 1,000 LIVE BIRTHS
RESIDENCE DATA

MARRIAGES AND MARRIAGE DISSOLUTIONS
KANSAS, 1977-1987



RATE PER 1,000 POPULATION
OCCURRENCE DATA

Figure 3

Population

POPULATION HIGHLIGHTS

- Kansas increased in population from 2,425,000 to 2,476,000 residents, a 2.1 percent increase from 1983 to 1987. Johnson, Leavenworth and Douglas Counties had the largest increases in population with percent changes of 16.0 percent, 11.7 percent and 7.7 percent respectively. Rush, Rooks and Woodson Counties had the largest decreases in population with percent changes of 13.3 percent, 11.1 and 10.9 percent respectively. (Table 2)

- The U.S. Census Bureau estimated there were 2,476,000 Kansans in 1987, a 10.1 percent increase in total population since 1970. (Figure 4)

- The rate of natural increase has steadily declined from its highest rate of 17.2 in 1954. In 1987, the natural increase rate was 6.6. This was a 19.5 percent decrease from the rate of 8.2 in 1981, the highest rate of natural increase in this decade. (Figure 5)

- The median age of Kansans in 1987 was 32.1 years, a 6.6 percent increase from the 30.1 year median age in 1980. This increase in median age indicates that Kansans are increasing in age with Kansas females being older than Kansas males. The median age for Kansas males and females in 1987 was 30.8 and 33.4 respectively. (Figure 6)

- The percent change in Kansas' total population from 1980-1987 was 4.7 percent, reflecting a 4.9 percent increase for Kansas males and a 4.6 percent increase for Kansas females. Shifts in the Kansas population distribution by age include small increases in the 0-4 and 5-14 age-groups of 6.1 and 2.6 percent respectively and a 17.5 percent decrease in Kansas residents 15-24 years of age. Increases of 18.4 percent and 32.4 percent in residents 25-34 and 35-44 years of age respectively may reflect movement of the baby boomers from the late teen and early 20's age-groups into the 25-44 age-groups. Furthermore, there was a 6.4 and 15.0 percent increase in the 65-74 and 75 and over age-groups respectively. (Figure 7 and Table 3)

- The population density of Kansas was 30.3 persons per square mile in 1987, a 30.0 percent increase from 23.3 persons per square mile in 1950. For comparison, the population density of the U.S. has increased from 42.1 to 67.4 persons per square mile from 1950 to 1980 respectively, a 60.1 percent increase in 30 years. (Figure 8)

- In 1987, 22 of Kansas' 105 counties had population densities of less than 5.0. The most sparsely populated county was Wallace, which had a density of 2.2. The most densely populated county was Wyandotte, with 1165.1 persons per square mile. (Figure 9)

TABLE 2
COUNTY POPULATION ESTIMATES*
KANSAS, 1983-1987

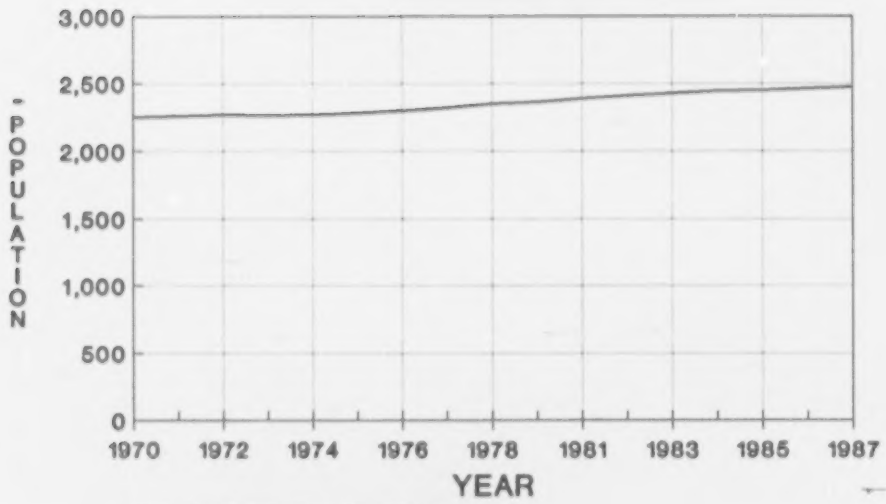
County of Residence	Year					Percent Change 1983-1987
	1983	1984	1985	1986	1987	
Kansas	2,425,000	2,442,000	2,450,000	2,461,000	2,476,000	2.1
Allen	16,000	16,200	15,900	15,700	15,300	-4.4
Anderson	8,800	8,800	8,400	8,200	8,200	-6.8
Atchison	18,200	18,100	18,000	17,900	17,700	-2.7
Barber	7,000	7,100	7,000	6,900	6,600	-5.7
Barton	33,100	33,100	33,000	32,800	31,400	-5.1
Bourbon	16,000	15,900	15,700	15,600	15,400	-3.8
Brown	11,800	11,700	11,500	11,300	11,300	-4.2
Butler	47,200	47,100	47,600	48,000	49,200	4.2
Chase	3,200	3,300	3,200	3,100	3,000	-6.3
Chautauqua	5,100	5,000	4,800	4,600	4,600	-9.8
Cherokee	22,200	22,400	22,300	22,200	22,200	0.0
Cheyenne	3,700	3,700	3,600	3,600	3,500	-5.4
Clark	2,700	2,700	2,700	2,600	2,600	-3.7
Clay	9,700	9,600	9,400	9,300	9,300	-4.1
Cloud	12,300	12,200	11,900	11,700	11,500	-6.5
Coffey	10,000	9,900	9,300	8,900	9,000	-10.0
Comanche	2,600	2,600	2,500	2,500	2,400	-7.7
Cowley	37,100	37,400	37,200	37,000	36,900	-0.5
Crawford	38,300	38,200	37,800	37,600	37,400	-2.3
Decatur	4,600	4,600	4,500	4,300	4,200	-8.7
Dickinson	20,000	20,000	19,800	19,800	20,000	0.0
Doniphan	9,100	9,100	9,100	9,100	9,000	-1.1
Douglas	69,700	70,100	71,300	72,600	75,100	7.7
Edwards	4,200	4,100	4,100	4,000	3,900	-7.1
Elk	3,800	3,700	3,700	3,600	3,600	-5.3
Ellis	27,900	27,900	27,900	27,700	26,900	-3.6
Ellsworth	6,500	6,500	6,300	6,300	6,100	-6.2
Finney	28,300	29,000	29,800	30,300	30,400	7.4
Ford	25,600	26,000	26,100	26,300	26,400	3.1
Franklin	22,200	22,400	22,200	21,900	22,200	0.0
Geary	30,800	30,400	31,100	31,100	29,800	-3.2
Gove	3,700	3,700	3,600	3,500	3,400	-8.1
Graham	4,200	4,100	4,100	4,000	3,800	-9.5
Grant	6,900	6,800	6,800	6,900	6,800	-1.4
Gray	5,300	5,300	5,300	5,400	5,400	1.9
Greeley	1,900	1,800	1,800	1,800	1,800	-5.3
Greenwood	8,800	8,700	8,500	8,200	8,100	-8.0
Hamilton	2,600	2,500	2,500	2,500	2,500	-3.8
Harper	7,900	7,800	7,700	7,500	7,500	-5.1
Harvey	31,000	30,900	30,900	30,800	30,800	-0.6
Haskell	3,900	3,900	3,900	3,900	4,000	2.6
Hodgeman	2,300	2,300	2,300	2,300	2,200	-4.3
Jackson	11,800	11,600	11,700	11,700	11,800	0.0
Jefferson	15,700	15,900	15,900	16,000	16,400	4.5
Jewell	5,100	4,900	4,800	4,700	4,600	-9.8
Johnson	287,400	296,900	306,400	318,300	333,400	16.0
Kearny	3,800	3,800	3,800	3,900	4,000	5.3
Kingman	9,100	9,100	9,000	8,900	8,900	-2.2
Kiowa	4,100	4,000	3,900	3,800	3,800	-7.3
Labette	25,900	25,800	25,600	25,400	25,600	-1.2
Lane	2,500	2,500	2,500	2,500	2,400	-4.0
Leavenworth	57,900	58,400	59,300	60,600	64,700	11.7
Lincoln	4,000	3,900	3,800	3,700	3,600	-10.0
Linn	8,200	8,300	8,200	8,200	8,100	-1.2
Logan	3,500	3,400	3,300	3,200	3,300	-5.7

TABLE 2 (cont.)
COUNTY POPULATION ESTIMATES*
KANSAS, 1983-1987

County of Residence	Year					Percent Change 1983-1987
	1983	1984	1985	1986	1987	
Lyon	36,900	37,700	36,100	35,100	34,900	-5.4
Marion	13,300	13,400	13,300	13,100	12,800	-3.8
Marshall	12,900	12,700	12,600	12,800	12,400	-3.9
McPherson	27,600	27,800	27,700	27,600	27,400	-0.7
Meade	4,700	4,700	4,700	4,600	4,400	-6.4
Miami	22,100	22,300	22,600	22,600	23,100	4.5
Mitchell	8,000	8,000	7,800	7,700	7,500	-6.3
Montgomery	43,100	42,200	41,500	41,200	40,900	-5.1
Morris	6,500	6,400	6,300	6,300	6,300	-3.1
Morton	3,600	3,500	3,500	3,500	3,500	-2.8
Nemaha	11,200	11,100	11,000	10,900	10,800	-3.6
Neosho	19,400	19,500	19,300	18,800	18,400	-5.2
Ness	4,700	4,700	4,600	4,500	4,300	-8.5
Norton	6,600	6,600	6,400	6,300	6,500	-1.5
Osage	15,900	16,100	15,600	15,600	15,900	0.0
Osborne	5,800	5,700	5,500	5,400	5,400	-6.9
Ottawa	5,900	5,900	5,800	5,800	5,800	-1.7
Pawnee	8,300	8,100	7,900	7,600	7,600	-8.4
Phillips	7,300	7,200	7,100	6,900	6,900	-5.5
Pottawatomie	15,700	15,800	15,700	15,600	15,900	1.3
Pratt	11,000	10,900	11,000	10,900	10,400	-5.5
Rawlins	4,100	3,900	3,800	3,800	3,700	-9.8
Reno	65,000	64,900	65,100	65,300	65,000	0.0
Republic	7,300	7,300	7,200	7,100	7,000	-4.1
Rice	11,700	11,600	11,300	11,200	11,100	-5.1
Riley	64,000	65,200	64,200	63,400	61,900	-3.3
Rooks	7,200	7,000	6,900	6,800	6,400	-11.1
Rush	4,500	4,400	4,300	4,200	3,900	-13.3
Russell	9,200	9,100	8,900	8,600	8,300	-9.8
Saline	49,800	50,400	50,100	50,000	50,400	1.2
Scott	5,800	5,900	5,900	5,800	5,600	-3.4
Sedgwick	378,000	383,100	387,200	391,100	394,700	4.4
Seward	18,200	18,100	18,700	18,900	18,800	3.3
Shawnee	157,800	159,200	159,700	160,800	162,400	2.9
Sheridan	3,500	3,400	3,400	3,300	3,300	-5.7
Sherman	7,600	7,500	7,400	7,200	7,000	-7.9
Smith	5,800	5,600	5,600	5,500	5,500	-5.2
Stafford	5,800	5,800	5,700	5,700	5,400	-6.9
Stanton	2,500	2,400	2,400	2,400	2,400	-4.0
Stevens	4,800	4,800	4,800	4,900	4,900	2.1
Sumner	25,300	25,200	25,200	25,500	25,300	0.0
Thomas	8,900	8,800	8,800	8,600	8,400	-5.6
Trego	4,300	4,400	4,200	4,100	3,900	-9.3
Wabaunsee	6,800	6,800	6,800	6,700	6,800	0.0
Wallace	2,000	2,000	2,000	1,900	2,000	0.0
Washington	8,200	8,000	7,800	7,500	7,400	-9.8
Wichita	3,000	2,900	2,900	2,900	2,900	-3.3
Wilson	12,000	11,800	11,700	11,800	11,600	-3.3
Woodson	4,600	4,700	4,400	4,300	4,100	-10.9
Wyandotte	172,100	172,500	173,800	174,100	173,600	0.9

*Estimates will not add to total due to rounding
Source: U.S. Bureau of the Census, Series P-26, Local Population Estimates

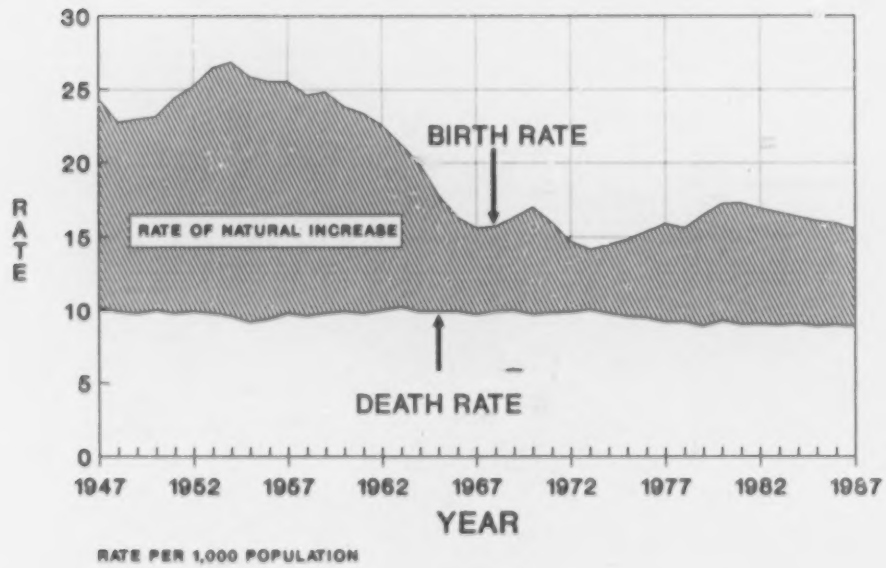
TOTAL POPULATION
KANSAS, 1970-1987*
(IN THOUSANDS)



U.S. CENSUS BUREAU ESTIMATES
*ESTIMATE FOR 1979 NOT AVAILABLE

Figure 4

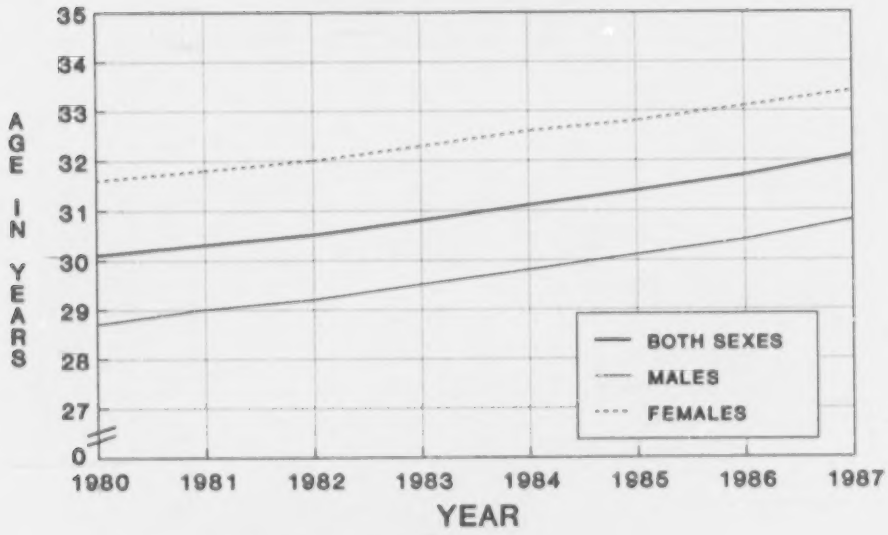
RATE OF NATURAL INCREASE
KANSAS, 1947-1987



RATE PER 1,000 POPULATION

Figure 5

MEDIAN AGE
KANSAS, 1980-1987



U.S. CENSUS BUREAU ESTIMATES

Figure 6

PERCENT CHANGE IN POPULATION
KANSAS, 1980-1987

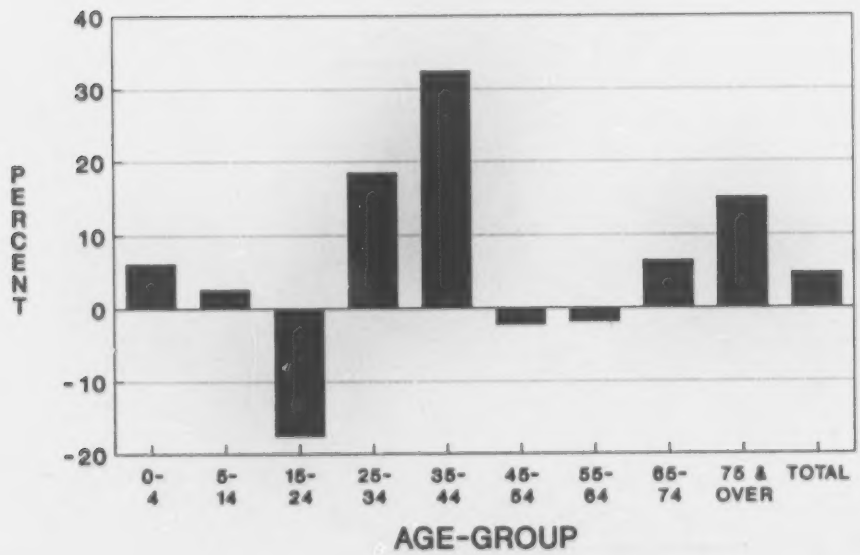


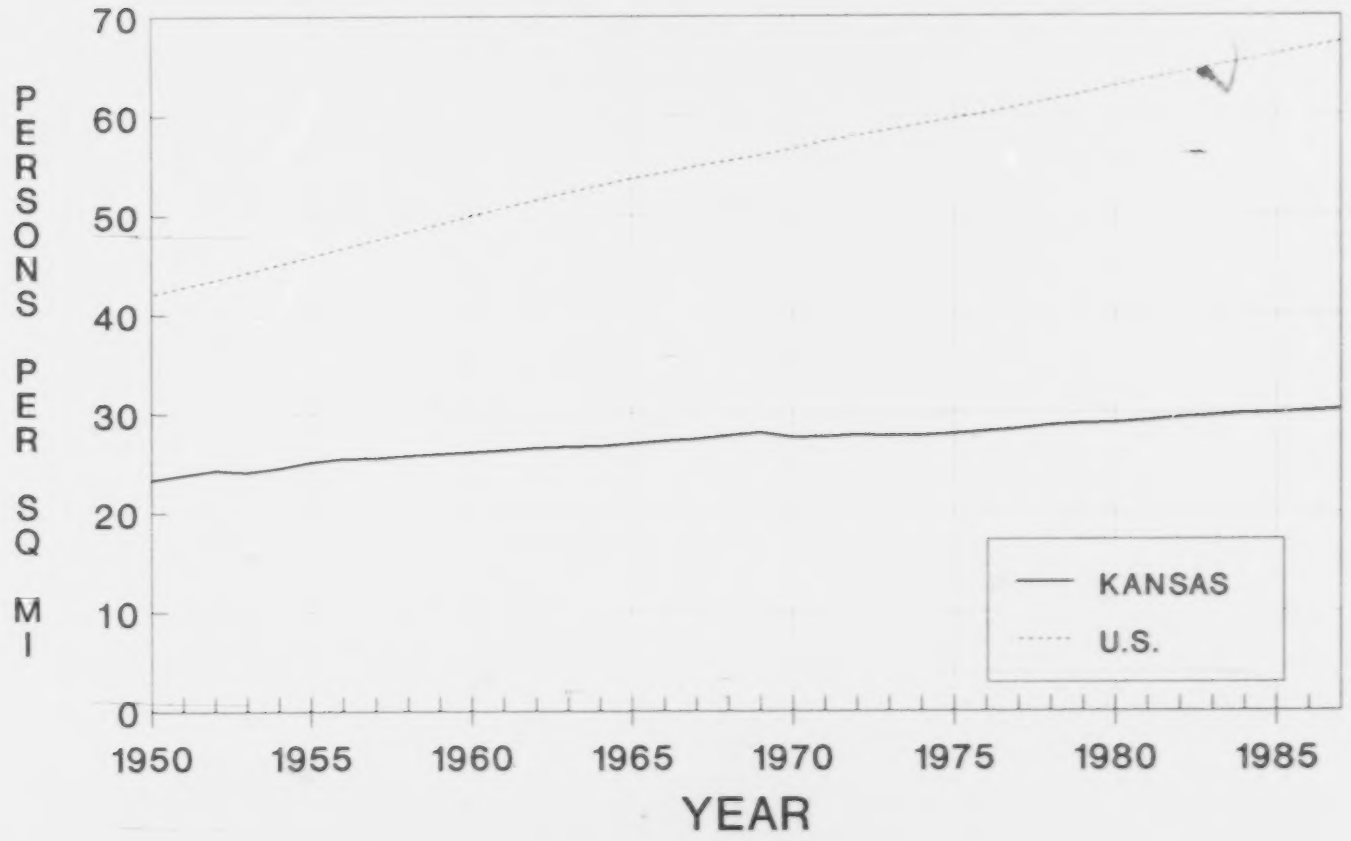
Figure 7

TABLE 3
KANSAS POPULATION BY AGE-GROUP AND SEX*
APRIL 1, 1980-JULY 1, 1987
(IN THOUSANDS)

Age-Group	Year								Percent Change 1980-1987
	1980	1981	1982	1983	1984	1985	1986	1987	
Both Sexes									
0-4.....	181	188	192	195	196	196	193	192	6.1
5-14.....	344	342	343	344	345	346	346	353	2.6
15-24....	451	441	430	418	406	393	383	372	-17.5
25-34....	375	396	404	415	425	433	441	444	18.4
35-44....	250	255	271	283	295	305	319	331	32.4
45-54....	231	228	226	225	224	223	223	226	-2.2
55-64....	226	227	228	229	229	227	225	222	-1.8
65-74....	173	175	176	177	178	179	180	184	6.4
75 and Over	133	136	139	142	145	147	150	153	15.0
Total....	2,364	2,389	2,410	2,428	2,442	2,449	2,460	2,476	4.7
Males									
0-4.....	93	97	99	100	101	101	99	99	6.5
5-14.....	176	175	176	177	177	178	178	182	3.4
15-24....	231	227	221	215	208	202	197	192	-16.9
25-34....	190	202	206	212	216	221	225	227	19.5
35-44....	124	127	134	140	146	151	158	165	33.1
45-54....	113	111	111	110	110	109	110	110	-2.7
55-64....	107	108	108	109	109	108	107	106	-0.9
65-74....	76	76	77	78	78	79	80	82	7.9
75 and Over	47	48	49	49	50	51	52	53	12.8
Total....	1,157	1,171	1,180	1,190	1,196	1,200	1,206	1,214	4.9
Females									
0-4.....	88	91	93	95	95	95	94	93	5.7
5-14.....	168	167	167	167	168	169	168	171	1.8
15-24....	219	214	209	203	197	191	186	181	-17.4
25-34....	185	195	199	204	209	212	216	218	17.8
35-44....	126	129	136	143	149	154	160	167	32.5
45-54....	119	117	115	115	114	114	114	115	-3.4
55-64....	119	119	120	120	120	119	117	115	-3.4
65-74....	98	98	99	99	100	100	100	102	4.1
75 and Over	86	89	91	93	95	96	98	99	15.1
Total....	1,207	1,219	1,229	1,238	1,246	1,249	1,254	1,262	4.6

*U.S. Census Bureau, 1980 Census, 1981-1987 Estimates, Series P-25, No. 1010
Estimates may not sum to totals due to rounding

POPULATION DENSITY
KANSAS AND THE U.S., 1950-1987

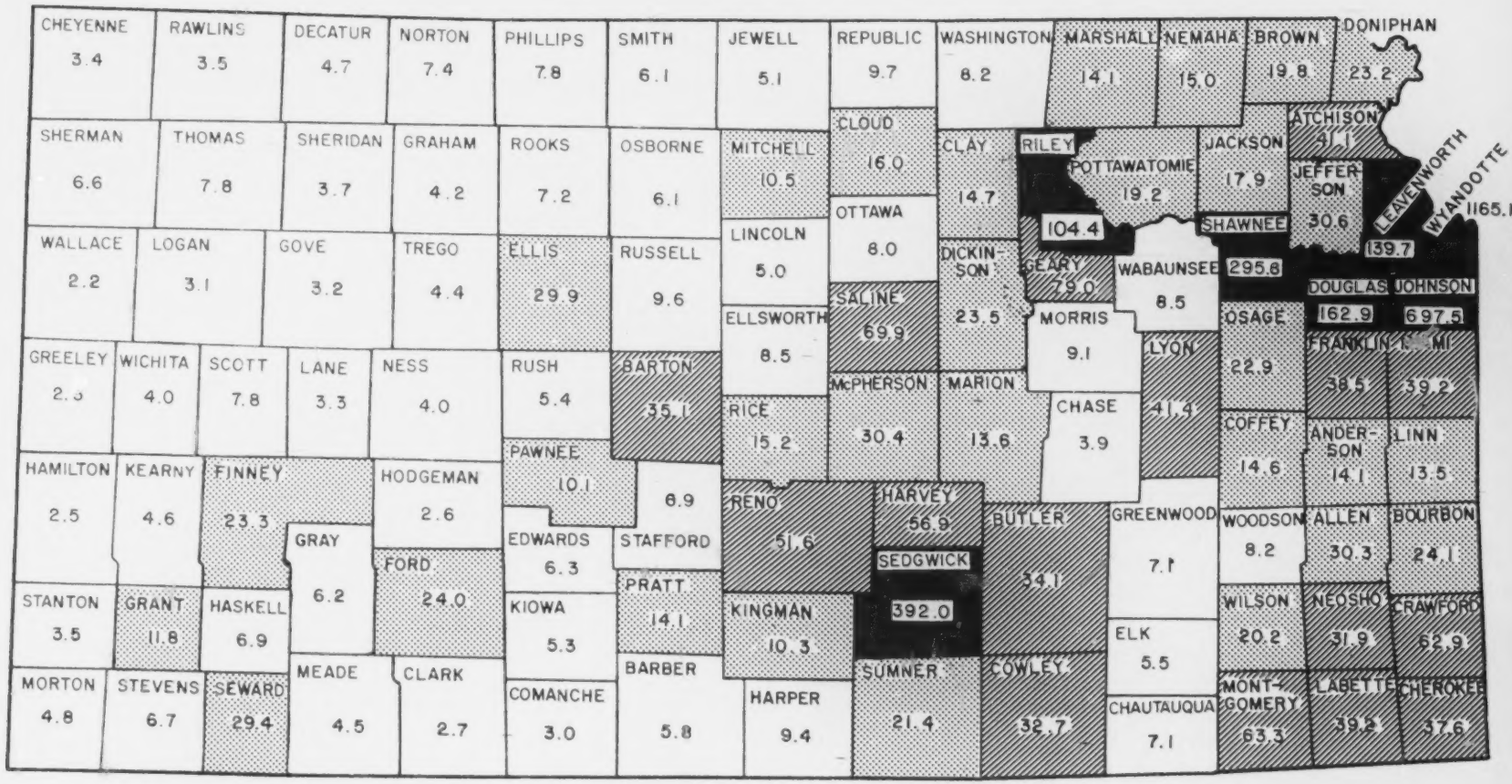


SOURCE: KANSAS AND U.S. STATISTICAL ABSTRACTS

Figure 8

POPULATION DENSITY BY COUNTY OF RESIDENCE

KANSAS, 1987



INHABITANTS PER SQUARE MILE

STATE POPULATION DENSITY : 30.3

- Under 10.0
- 10.0-30.9
- 31.0-100.0
- 100.1 & Over

Sources: Land area and population figures for each county obtained from the United States Bureau of the Census.

Figure 9

TABLE 4
CITY POPULATION ESTIMATES*
KANSAS, 1983-1987

City of Residence	Year					Percent Change 1983-1987
	1983	1984	1985	1986	1987	
Abilene	6,700	6,400	6,400	6,400	6,400	-4.5
Andover	3,300	3,400	3,400	3,600	3,700	12.1
Anthony	2,800	2,700	2,700	2,600	2,600	-7.1
Arkansas City	13,500	13,300	13,200	13,000	13,000	-3.7
Atchison	11,800	11,400	11,300	11,400	11,300	-4.2
Augusta	7,400	6,900	6,900	7,100	7,200	-2.7
Baldwin City	2,400	2,400	2,500	2,400	2,500	4.2
Baxter Springs	4,700	4,500	4,500	4,500	4,500	-4.3
Belleville	2,600	2,600	2,600	2,600	2,600	0.0
Beloit	4,200	4,200	4,100	4,000	3,900	-7.1
Bonner Springs	6,600	6,600	6,700	6,900	6,900	4.5
Burlington	3,100	3,300	3,100	2,800	2,800	-9.7
Chanute	11,100	10,900	10,800	10,200	10,000	-9.9
Cherryvale	2,800	2,600	2,600	2,600	2,600	-7.1
Clay Center	4,800	4,800	4,700	4,600	4,600	-4.2
Coffeyville	15,500	14,600	14,300	14,000	13,900	-10.3
Colby	5,700	5,900	5,900	5,600	5,500	-3.5
Columbus	3,500	3,500	3,500	3,400	3,400	-2.9
Concordia	6,600	6,800	6,600	6,500	6,400	-3.0
Derby	10,500	11,800	11,900	12,900	13,100	24.8
Dodge City	19,100	19,500	19,600	19,700	19,800	3.7
Edwardsville	3,400	3,600	3,600	3,500	3,500	2.9
El Dorado	11,900	11,300	11,400	11,000	11,300	-5.0
Ellinwood	2,500	2,500	2,500	2,500	2,400	-4.0
Emporia	26,700	27,100	25,900	24,600	24,500	-8.2
Eudora	3,000	3,100	3,200	3,300	3,500	16.7
Eureka	3,400	3,400	3,300	3,100	3,100	-8.8
Fairway	4,700	4,700	4,800	4,700	4,900	4.3
Fort Scott	8,900	8,700	8,600	8,500	8,300	-6.7
Fredonia	2,900	2,900	2,800	2,800	2,700	-6.9
Frontenac	2,700	2,600	2,600	2,500	2,500	-7.4
Galena	3,600	3,600	3,600	3,500	3,500	-2.8
Garden City	21,400	21,700	20,800	22,800	22,800	6.5
Garnett	3,200	3,300	3,200	3,000	3,000	-6.3
Girard	3,000	2,900	2,900	2,900	2,900	-3.3
Goodland	5,500	5,400	5,300	5,100	5,000	-9.1
Great Bend	17,800	17,600	17,600	17,400	16,600	-6.7
Hays	17,800	18,100	18,100	17,800	17,300	-2.8
Haysville	8,400	8,400	8,500	8,600	8,700	3.6
Herington	2,800	2,900	2,900	2,900	2,900	3.6
Hesston	3,100	3,000	3,000	2,900	2,900	-6.5
Hiawatha	3,500	3,700	3,600	3,600	3,600	2.9
Hillsboro	2,600	2,600	2,600	2,600	2,500	-3.8
Hoisington	3,800	3,700	3,700	3,600	3,400	-10.5
Holton	3,100	3,000	3,000	3,000	3,000	-3.2
Hugoton	3,200	3,200	3,200	3,300	3,300	3.1
Hutchinson	40,500	40,400	40,600	41,500	41,300	2.0
Independence	11,100	11,000	10,800	10,400	10,300	-7.2
Iola	7,100	7,000	6,900	6,800	6,600	-7.0
Junction City	20,000	19,200	19,600	20,300	19,400	-3.0
Kansas City	162,200	160,500	161,700	162,100	161,600	-0.4
Kingman	3,500	3,600	3,600	3,400	3,400	-2.9
Lansing	6,400	6,400	6,500	6,700	7,100	10.9
Larned	4,800	4,900	4,800	4,500	4,500	-6.3
Lawrence	54,500	54,200	55,100	56,500	58,400	7.2
Leavenworth	34,800	35,100	35,600	36,200	38,700	11.2

TABLE 4 (cont.)
CITY POPULATION ESTIMATES*
KANSAS, 1983-1987

City of Residence	Year					Percent Change 1983-1987
	1983	1984	1985	1986	1987	
Leawood	14,300	14,500	14,900	16,100	16,800	17.5
Lenexa	21,100	23,400	24,100	27,400	28,700	36.0
Liberal	16,100	15,800	16,400	16,600	16,500	2.5
Lindsborg	3,300	3,300	3,300	3,300	3,300	0.0
Lyons	4,000	4,000	3,900	3,700	3,700	-7.5
Manhattan	33,900	32,900	32,500	33,800	33,200	-2.1
Marysville	3,800	3,800	3,700	3,700	3,600	-5.3
McPherson	12,200	12,000	12,000	12,200	12,100	-0.8
Medicine Lodge	2,500	2,700	2,700	2,600	2,500	0.0
Merriam	11,100	11,200	11,600	12,000	12,600	13.5
Mission	8,800	8,500	8,800	8,600	9,000	2.3
Mission Hills	4,000	4,000	4,100	4,100	4,300	7.5
Mulvane	4,500	4,400	4,500	4,600	4,600	2.2
Neodesha	3,300	3,300	3,200	3,300	3,200	-3.0
Newton	16,700	16,400	16,400	16,400	16,400	-1.8
Norton	3,200	3,300	3,200	3,100	3,200	0.0
Olathe	43,300	46,800	48,300	52,200	54,700	26.3
Osage City	2,800	2,800	2,700	2,700	2,800	0.0
Osawatomie	4,600	4,600	4,600	4,500	4,600	0.0
Ottawa	11,100	11,000	10,900	10,800	10,900	-1.8
Overland Park	86,400	89,200	92,000	96,500	101,100	17.0
Paola	4,500	4,400	4,400	4,300	4,400	-2.2
Parsons	13,100	13,100	13,000	12,700	12,800	-2.3
Phillipsburg	3,100	3,100	3,100	2,900	2,900	-6.5
Pittsburg	18,700	18,500	18,300	18,300	18,200	-2.7
Plainville	2,500	2,500	2,400	2,400	2,200	-12.0
Prairie Village	25,000	24,100	24,900	23,800	25,000	0.0
Pratt	7,400	7,500	7,600	7,300	7,000	-5.4
Roeland Park	8,100	7,900	8,200	8,200	8,500	4.9
Russell	5,500	5,600	5,500	5,300	5,100	-7.3
Salina	42,900	42,900	42,700	42,800	43,200	0.7
Scott City	4,000	4,200	4,100	4,000	3,900	-2.5
Shawnee	31,400	29,900	30,900	30,200	31,700	1.0
Topeka	120,900	118,900	119,300	118,600	119,800	-0.9
Ulysses	4,800	4,700	4,700	4,800	4,800	0.0
Valley Center	2,600	2,800	2,800	2,900	2,900	11.5
Wamego	3,400	3,500	3,500	3,500	3,600	5.9
Wellington	8,300	8,200	8,200	8,300	8,200	-1.2
Wichita	289,700	284,500	287,500	288,900	291,500	0.6
Winfield	12,100	11,800	11,700	11,700	11,600	-4.1

*KDHE estimates

Pregnancy Outcomes

PREGNANCY OUTCOME HIGHLIGHTS

- During 1987, 38,435 live births occurred to Kansas residents representing a birth rate of 15.5 per 1,000 population. There was a 2.5 percent decrease in the 1987 birth rate from the 1986 rate of 15.9. (Table 5)

- Since 1947, birth rates for Kansas followed national trends and have steadily declined. Kansas birth rates have decreased 36.2 percent during the last 40 years from a rate of 24.3 births per 1,000 population in 1947 to a rate of 15.5 in 1987. (Table 6, Figure 10)

- Geary, Finney and Grant Counties had the highest 5-year county birth rates of 38.4, 26.1 and 21.9 births per 1,000 population respectively. (Table 5)

- In 1987, Geary, Finney and Wallace Counties had the highest county birth rates of 34.9, 24.5 and 23.7 births per 1,000 population respectively. Junction City, Garden City and Manhattan had the highest city birth rates of 36.5, 24.5 and 24.2 births per 1,000 population respectively. (Tables 5 and 7, Figure 11)

- Kansas fertility rates have followed national trends and indicate a steady decline from 109.4 to 65.8 births per 1,000 female population aged 15-44 in 1947 and 1987 respectively. (Table 6, Figure 12)

- Age-specific fertility rates for Kansas during the years 1980-1987 decreased by 8.6 percent for the 15-24 age-group and by 6.1 percent for the 25-34 age-group. Subsequently, age-specific fertility rates for the 35-44 age-group increased 29.6 percent. These shifts in fertility rates by age-group indicate a trend toward women in Kansas delaying childbirth until later years. (Table 8, Figure 13).

- In 1987, 41.5 percent of all Kansas live births occurred to women in the 15-24 age-group; 52.2 percent of live births occurred to women in the 25-34 age-group and 6.1 percent occurred to women in the 35-44 age-group. For comparison, in 1980, 51.9 percent of all Kansas live births occurred to women in the 15-24 age-group; 44.6 percent of live births occurred to women in the 25-34 age-group and 3.3 percent occurred to women in the 35-44 age-group. (Tables 9 and 10)

- In 1987, 86.2 percent of Kansas live births both occurred to women 15-34 years of age and weighed 2501-4500 grams. (Table 11)

- Birth weights for Kansas live births in 1987 were distributed as follows: 6.3 percent of live births weighed under 2,500 grams, 92.0 percent weighed 2,501-4,500 grams and 1.7 percent weighed over 4,500 grams. (Tables 11 and 12)

PREGNANCY OUTCOME HIGHLIGHTS (Cont.)

- In 1987, 87.7 percent of Kansas live births were white, 9.1 percent were black and 3.2 percent were of other races. Furthermore, 50.9 percent of Kansas live births were male and 49.1 percent were female. Racial distributions among male and female births were similar to that observed for all live births. (Table 13)

- A total 6,558 out-of-wedlock births occurred in Kansas in 1987. Of those births, 72.9 percent occurred to women in the 15-24 age-group. Out-of-wedlock births comprised 17.1 percent of all live births that occurred in 1987, a 40.2 percent increase from 12.2 percent of live births in 1980. (Table 14)

- The out-of-wedlock birth ratio has maintained an upward trend since 1947 which is similar to that of the national ratio. In 1987, the out-of-wedlock birth ratio was 17.1, an increase of 2.4 percent from the 1986 ratio of 16.7. (Figure 15)

- In 1987, 4,052 abortions were performed for Kansas residents while 2,357 were performed for non-Kansans. Of those Kansas residents receiving abortions, 62.6 percent were in the 15-24 age-group, 80.1 percent were unmarried and 85.6 percent were white. (Table 15, Figure 16)

- Abortion ratios are decreasing from a high of 187.1 in 1979. In 1987, the abortion ratio was 105.4 abortions per 1,000 live births, a decrease of 2.8 percent from the 108.4 ratio in 1986. (Table 16 and Figure 17).

- In 1987, 68.0 percent of all fetal deaths weighed less than 2501 grams. The death rate for these fetuses was 65.2 deaths per 1,000 total births. For comparison, in 1980, 67.5 percent of reported fetal deaths weighed less than 2501 grams but those fetuses died at a rate of 93.0 deaths per 1,000 total births. (Figure 18)

- In 1987, 56.9 percent of the reported fetal deaths occurred to mothers in the 20-29 age-group. (Table 17)

- Examining the components that constitute perinatal period III mortality, the numbers of fetal deaths and hebdomadal deaths declined 62.3 percent and 77.7 percent respectively from 1957 to 1987. In 1987, there were 432 perinatal period III deaths representing a death rate of 11.2 deaths per 1,000 live births. This rate has decreased 59.3 percent from the 1957 rate of 27.5. (Tables 18 and 19, Figure 19)

- A total of 353 infant deaths occurred in Kansas during 1987. The overall infant death rate for 1987 was 9.2 infant deaths per 1,000 live births, an increase of 6.9 percent from the infant death rate of 8.2 in 1986. For comparison, the 1987

PREGNANCY OUTCOME HIGHLIGHTS (Cont.)

rate (9.2) represents a 59.6 percent decrease from the infant death rate of 22.8 in 1957. The white infant death rate was 8.3 deaths per 1,000 live births in 1987, a decrease of 61.2 percent from the rate of 21.4 in 1957. The black infant death rate in 1987 was 18.7 deaths per 1,000 live births, a decrease of 54.9 percent from the rate of 41.5 in 1957. (Figure 20)

- In deaths to infants under 7 days of age, 68.7 percent of those deaths were attributed to conditions originating in the perinatal period such as immaturity, respiratory death syndrome and complications during pregnancy and childbirth. Congenital anomalies contributed to 29.0 percent of these hebdomadal deaths. (Table 20)

- Of all infant deaths, 41.6 percent were attributed to conditions originating in the perinatal period, 24.6 percent were attributed to congenital anomalies, 14.7 percent to sudden infant death syndrome and 13.0 percent to other diseases and disorders. (Table 20)

- Overall, the rate of maternal deaths in Kansas was generally below that of the United States between 1957 and 1987. The maternal death rate for Kansas in 1987 was 0.3, an 87.0 percent decrease from the 1957 rate of 2.3. (Figure 22)

TABLE 5
LIVE BIRTHS BY NUMBER AND RATE*
BY COUNTY OF RESIDENCE
KANSAS, 1983-1987

County of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Kansas.....	40,365	16.6	39,954	16.4	39,418	16.1	39,177	15.9	38,435	15.5	16.0
Allen.....	252	15.8	268	16.5	232	14.6	211	13.4	198	12.9	14.6
Anderson....	130	14.8	121	13.8	98	11.7	105	12.8	102	12.4	13.1
Atchison....	253	13.9	272	15.0	262	14.6	231	12.9	252	13.7	14.0
Barber.....	123	17.6	116	16.3	119	17.0	93	13.5	85	13.7	15.6
Barton.....	595	18.0	642	19.4	618	18.7	552	16.8	473	15.2	17.6
Bourbon.....	286	17.9	249	15.7	216	13.8	240	15.4	200	12.7	15.1
Brown.....	196	16.6	168	14.4	182	15.8	160	14.2	169	14.8	15.2
Butler.....	693	14.7	712	15.1	700	14.7	702	14.6	731	14.9	14.8
Chase.....	48	15.0	49	14.8	41	12.8	32	10.3	30	9.4	12.5
Chautauqua..	75	14.7	70	14.0	43	9.0	64	13.9	54	11.3	12.6
Cherokee....	290	13.1	307	13.7	265	11.9	311	14.0	270	11.8	12.9
Cheyenne....	56	15.1	47	12.7	63	17.5	46	12.8	34	9.7	13.6
Clark.....	30	11.1	40	14.8	33	12.2	35	13.5	31	11.9	12.7
Clay.....	145	14.9	130	13.5	122	13.0	107	11.5	113	12.0	13.0
Cloud.....	185	15.0	186	15.2	144	12.1	145	12.4	132	11.3	13.2
Coffey.....	150	15.0	143	14.4	121	13.0	124	13.9	106	12.0	13.7
Comanche....	38	14.6	31	11.9	37	14.8	26	10.4	30	12.0	12.7
Cowley.....	556	15.0	571	15.3	486	13.1	561	15.2	528	14.0	14.5
Crawford....	557	14.5	529	13.8	500	13.2	473	12.6	433	11.3	13.1
Decatur.....	69	15.0	66	14.3	67	14.9	54	12.6	49	11.7	13.7
Dickinson...	270	13.5	251	12.6	246	12.4	254	12.8	250	12.3	12.7
Doniphan....	124	13.6	128	14.1	135	14.8	128	14.1	111	12.2	13.8
Douglas.....	934	13.4	977	13.9	963	13.5	1,041	14.3	995	13.3	13.7
Edwards.....	49	11.7	62	15.1	61	14.9	48	12.0	55	14.5	13.6
Elk.....	36	9.5	40	10.8	41	11.1	47	13.1	38	10.3	10.9
Ellis.....	464	16.6	491	17.6	493	17.7	461	16.6	341	12.8	16.3
Ellsworth...	97	14.9	86	13.2	83	13.2	80	12.7	81	12.7	13.3
Finney.....	784	27.7	739	25.5	772	25.9	813	26.8	756	24.5	26.1
Ford.....	556	21.7	518	19.9	575	22.0	524	19.9	559	21.3	21.0
Franklin....	351	15.8	331	14.8	355	16.0	305	13.9	338	14.9	15.1
Geary**.....	1,275	41.4	1,247	41.0	1,181	38.0	1,137	36.6	1,128	34.9	38.4
Gove.....	59	15.9	64	17.3	51	14.2	52	14.9	41	12.1	14.9
Graham.....	71	16.9	66	16.1	62	15.1	44	11.0	40	10.8	14.0
Grant.....	177	25.7	136	20.0	146	21.5	157	22.8	130	19.7	21.9
Gray.....	109	20.6	119	22.5	94	17.7	109	20.2	110	20.8	20.3
Greeley.....	42	22.1	26	14.4	32	17.8	29	16.1	30	17.6	17.6
Greenwood...	118	13.4	112	12.9	111	13.1	85	10.4	103	12.7	12.5
Hamilton....	42	16.2	39	15.6	40	16.0	37	14.8	28	11.2	14.8
Harper.....	103	13.0	117	15.0	98	12.7	100	13.3	77	10.3	12.9
Harvey.....	493	15.9	430	13.9	481	15.6	416	13.5	422	13.7	14.5
Haskell.....	72	18.5	75	19.2	78	20.0	63	16.2	80	21.1	19.0
Hodgeman....	46	20.0	49	21.3	39	17.0	38	16.5	30	13.0	17.6
Jackson.....	171	14.5	178	15.3	204	17.4	156	13.3	146	12.3	14.6
Jefferson...	255	16.2	195	12.3	196	12.3	202	12.6	212	12.8	13.3
Jewell.....	68	13.3	62	12.7	54	11.3	63	13.4	59	12.3	12.6
Johnson.....	4,220	14.7	4,329	14.6	4,626	15.1	4,906	15.4	5,117	15.7	15.1
Kearny.....	94	24.7	72	18.9	64	16.8	93	23.8	85	21.3	21.1
Kingman.....	140	15.4	149	16.4	132	14.7	126	14.2	113	12.8	14.7
Kiowa.....	63	15.4	57	14.3	56	14.4	51	13.4	55	14.5	14.4
Labette.....	409	15.8	359	13.9	372	14.5	347	13.7	346	13.4	14.3
Lane.....	44	17.6	34	13.6	42	16.8	34	13.6	33	13.2	15.0
Leavenworth.	805	13.9	784	13.4	778	13.1	807	13.3	850	13.2	13.4
Lincoln.....	37	9.3	45	11.5	38	10.0	32	8.6	36	10.0	9.9
Linn.....	119	14.5	120	14.5	89	10.9	96	11.7	90	11.0	12.5
Logan.....	49	14.0	51	15.0	47	14.2	53	16.6	41	13.2	14.6

TABLE 5 (cont.)
LIVE BIRTHS BY NUMBER AND RATE*
BY COUNTY OF RESIDENCE
KANSAS, 1983-1987

County of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Lyon	643	17.4	721	19.1	592	16.4	593	16.9	578	16.6	17.3
Marion	171	12.9	187	14.0	194	14.6	125	9.5	141	11.1	12.4
Marshall	199	15.4	185	14.6	192	15.2	157	12.3	166	13.5	14.2
McPherson	446	16.2	423	15.2	421	15.2	380	13.8	378	13.9	14.8
Meade	71	15.1	87	18.5	77	16.4	79	17.2	67	15.2	16.5
Miami	327	14.8	326	14.6	307	13.6	311	13.8	358	15.0	14.3
Mitchell	123	15.4	110	13.8	96	12.3	101	13.1	87	11.6	13.2
Montgomery	703	16.3	665	15.8	532	12.8	589	14.3	579	13.9	14.6
Morris	92	14.2	87	13.6	89	14.1	76	12.1	82	12.6	13.3
Morton	69	19.2	60	17.1	59	16.9	65	18.6	59	16.9	17.7
Nemaha	179	16.0	185	16.7	190	17.3	173	15.9	146	13.3	15.8
Neosho	297	15.3	302	15.5	283	14.7	254	13.5	233	12.6	14.3
Ness	83	17.7	78	16.6	84	18.3	67	14.9	49	11.7	15.8
Norton	88	13.3	83	12.6	89	13.9	80	12.7	64	10.0	12.5
Osage	234	14.7	201	12.5	203	13.0	203	13.0	199	12.2	13.1
Osborne	75	12.9	78	13.7	65	11.8	73	13.5	57	10.4	12.5
Ottawa	91	15.4	75	12.7	70	12.1	101	17.4	65	10.8	13.7
Pawnee	137	16.5	104	12.8	96	12.2	97	12.8	82	11.1	13.1
Phillips	105	14.4	104	14.4	87	12.3	89	12.9	84	12.0	13.2
Pottawatomie	280	17.8	273	17.3	244	15.5	294	18.8	240	14.6	16.8
Pratt	186	16.9	165	15.1	170	15.5	155	14.2	120	11.5	14.7
Rawlins	75	18.3	49	12.6	60	15.8	46	12.1	47	13.1	14.4
Reno	1,011	15.6	931	14.3	961	14.8	957	14.7	903	13.7	14.6
Republic	87	11.9	94	12.9	89	12.4	82	11.5	88	11.9	12.1
Rice	200	17.1	164	14.1	169	15.0	138	12.3	149	13.4	14.4
Riley**	1,030	16.1	955	14.6	1,045	16.3	1,005	15.9	1,051	16.7	15.9
Rooks	119	16.5	113	16.1	118	17.1	102	15.0	84	12.9	15.5
Rush	64	14.2	48	10.9	60	14.0	40	9.5	34	8.7	11.5
Russell	157	17.1	124	13.6	122	13.7	108	12.6	98	12.3	13.8
Saline	846	17.0	798	15.8	717	14.3	754	15.1	716	14.4	15.3
Scott	94	16.2	109	18.5	83	14.3	86	14.8	72	13.3	15.4
Sedgwick	6,923	18.3	7,327	19.1	7,251	18.7	7,286	18.6	7,274	18.7	18.7
Seward	383	21.0	385	21.3	403	21.6	426	22.5	395	20.9	21.5
Shawnee	2,429	15.4	2,363	14.8	2,363	14.8	2,322	14.4	2,386	14.6	14.8
Sheridan	64	18.3	51	15.0	47	13.8	51	15.5	42	12.7	15.1
Sherman	135	17.8	133	17.7	115	15.5	105	14.6	96	14.1	15.9
Smith	63	10.9	60	10.7	63	11.3	63	11.5	46	8.5	10.6
Stafford	70	12.1	90	15.5	96	16.8	73	12.8	69	13.0	14.1
Stanton	46	18.4	36	15.0	32	13.3	46	19.2	42	18.3	16.8
Stevens	93	19.4	92	19.2	77	16.0	79	16.1	77	16.4	17.4
Sumner	386	15.3	385	15.3	374	14.8	367	14.4	356	14.0	14.8
Thomas	164	18.4	145	16.5	154	17.5	129	15.0	120	14.5	16.4
Trego	76	17.7	70	15.9	49	11.7	45	11.0	47	12.1	13.7
Wabaunsee	90	13.2	99	14.6	115	16.9	81	12.1	77	11.3	13.6
Wallace	44	22.0	38	19.0	30	15.0	29	15.3	45	23.7	19.0
Washington	95	11.6	94	11.8	77	9.9	80	10.7	87	11.4	11.1
Wichita	58	19.3	57	19.7	50	17.2	36	12.4	40	14.3	16.6
Wilson	157	13.1	162	13.7	159	13.6	146	12.4	147	12.5	13.0
Woodson	81	17.6	63	13.4	68	15.5	54	12.6	50	12.5	14.3
Wyandotte	3,253	18.9	3,165	18.3	3,147	18.1	3,173	18.2	3,017	17.3	18.2

* Rate per 1,000 population
** All births occurring at Irwin Army Hospital to Ft. Riley residents were recorded for Geary County even when Riley was the county of residence.

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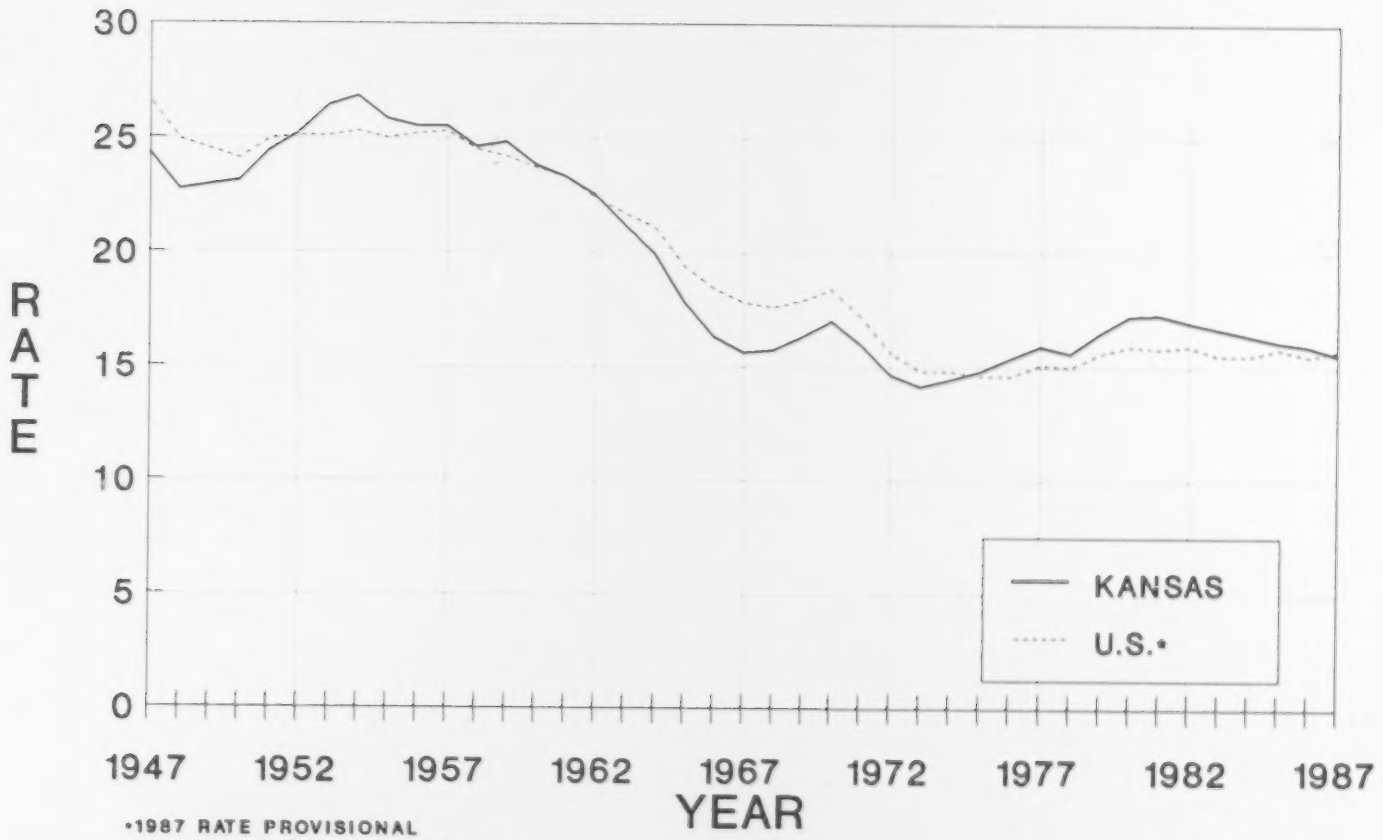
TABLE 6
BIRTH AND FERTILITY RATES
KANSAS AND THE U.S., 1947-1987

Year	Birth Rates*		Fertility Rates**	
	Kansas	U.S.	Kansas	U.S.
1947	24.3	26.6	109.4	113.3
1948	22.7	24.9	103.8	107.3
1949	22.9	24.5	105.9	107.1
1950	23.1	24.1	108.2	106.2
1951	24.4	24.9	116.3	111.4
1952	25.2	25.1	122.0	113.8
1953	26.4	25.1	129.7	115.0
1954	26.8	25.3	133.8	117.9
1955	25.8	25.0	130.9	118.3
1956	25.5	25.2	131.5	121.0
1957	25.5	25.3	133.1	122.7
1958	24.6	24.5	126.1	120.0
1959	24.8	24.2	128.7	118.8
1960	23.8	23.7	124.8	118.0
1961	23.3	23.3	123.2	117.1
1962	22.5	22.4	118.5	112.0
1963	21.2	21.7	111.4	108.3
1964	19.9	21.1	104.0	104.7
1965	17.8	19.4	93.3	96.3
1966	16.3	18.4	84.9	90.8
1967	15.6	17.8	80.8	87.2
1968	15.7	17.6	80.8	85.2
1969	16.3	17.9	82.9	86.1
1970	17.0	18.4	84.5	87.9
1971	16.0	17.2	78.9	81.6
1972	14.6	15.6	70.7	73.1
1973	14.1	14.8	66.8	68.8
1974	14.4	14.8	67.4	67.8
1975	14.8	14.6	68.4	66.0
1976	15.3	14.6	69.8	65.0
1977	15.9	15.1	71.5	66.8
1978	15.6	15.0	69.8	65.5
1979	16.5	15.6	73.9	67.2
1980	17.2	15.9	76.8	68.4
1981	17.3	15.8	76.6	67.4
1982	16.9	15.9	74.9	67.3
1983	16.6	15.5	73.4	65.8
1984	16.4	15.5	72.0	65.4
1985	16.1	15.8	70.8	66.2
1986	15.9	15.6	69.7	66.1
1987	15.5	15.7***	65.8	66.1***

*Rate per 1,000 population
**Rate per 1,000 female 15-44 population
***Provisional
Residence data

BIRTH RATES
KANSAS AND THE U.S., 1947-1987



*1987 RATE PROVISIONAL
1947-1959 BIRTHS ADJUSTED FOR UNDERREGISTRATION
RESIDENCE DATA

Figure 10

TABLE 7
LIVE BIRTHS BY NUMBER AND RATE*
BY CITY OF RESIDENCE
KANSAS, 1983-1987

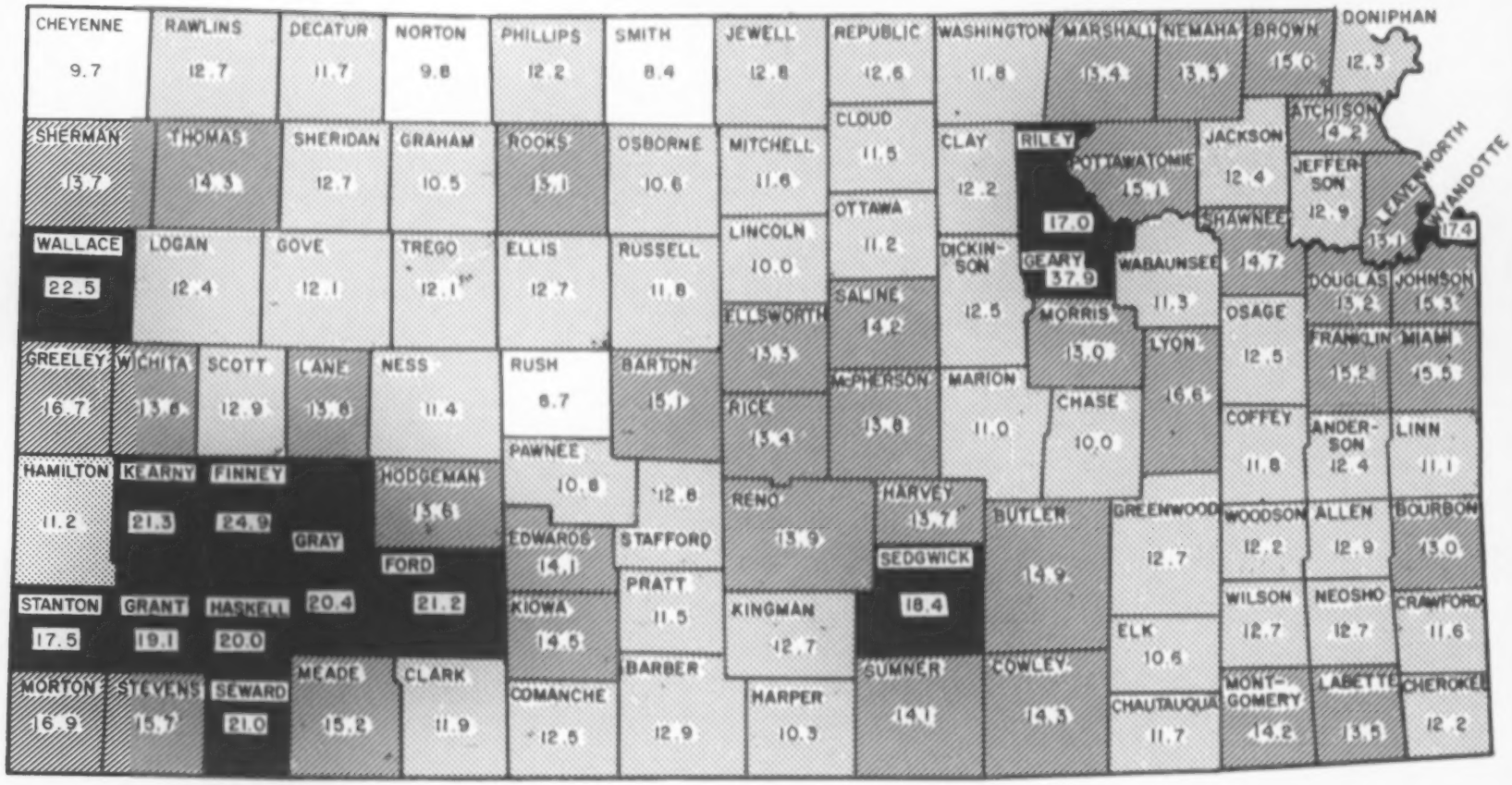
City of Residence	Year									
	1983		1984		1985		1986		1987	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Abilene.....	75	11.2	94	14.7	75	11.7	76	11.9	81	12.7
Andover.....	49	14.8	51	15.0	49	14.4	57	15.8	44	11.9
Anthony.....	34	12.1	36	13.3	34	12.6	30	11.5	27	10.4
Arkansas City...	191	14.1	206	15.5	179	13.6	207	15.9	212	16.3
Atchison.....	165	14.0	182	16.0	166	14.7	145	12.7	166	14.7
Augusta.....	118	15.9	115	16.7	120	17.4	116	16.3	122	16.9
Baldwin City....	25	10.4	24	10.0	28	11.2	26	10.8	33	13.2
Baxter Springs..	73	15.5	50	11.1	50	11.1	60	13.3	72	16.0
Belleville.....	28	10.8	33	12.7	31	11.9	26	10.0	28	10.8
Beloit.....	53	12.6	53	12.6	50	12.2	44	11.0	45	11.5
Bonner Springs..	108	16.4	89	13.5	105	15.7	119	17.2	113	16.4
Burlington.....	53	17.1	45	13.6	50	16.1	42	15.0	41	14.6
Chanute.....	176	15.9	169	15.5	163	15.1	161	15.8	125	12.5
Cherryvale.....	40	14.3	40	15.4	51	19.6	42	16.2	39	15.0
Clay Center.....	73	15.2	62	12.9	62	13.2	49	10.7	55	12.0
Coffeyville.....	272	17.5	248	17.0	215	15.0	190	13.6	199	14.3
Colby.....	120	21.1	96	16.3	97	16.4	91	16.3	77	14.0
Columbus.....	50	14.3	64	18.3	40	11.4	56	16.5	39	11.5
Concordia.....	114	17.3	97	14.3	81	12.3	80	12.3	78	12.2
Derby.....	170	16.2	167	14.2	195	16.4	157	12.2	191	14.6
Dodge City.....	435	22.8	416	21.3	490	25.0	441	22.4	474	23.9
Edwardsville....	73	21.5	61	16.9	65	18.1	73	20.9	69	19.7
El Dorado.....	178	15.0	167	14.8	183	16.1	170	15.5	176	15.6
Ellinwood.....	35	14.0	46	18.4	36	14.4	32	12.8	33	13.8
Emporia.....	473	17.7	521	19.2	443	17.1	432	17.6	457	18.7
Eudora.....	45	15.0	44	14.2	46	14.4	37	11.2	38	10.9
Eureka.....	49	14.4	44	12.9	48	14.5	36	11.6	43	13.9
Fairway.....	44	9.4	58	12.3	46	9.6	55	11.7	59	12.0
Fort Scott.....	158	17.8	140	16.1	124	14.4	136	16.0	119	14.3
Fredonia.....	33	11.4	40	13.8	37	13.2	25	8.9	34	12.6
Frontenac.....	43	15.9	29	11.2	36	13.8	34	13.6	36	14.4
Galena.....	48	13.3	48	13.3	62	17.2	49	14.0	44	12.6
Garden City.....	568	26.5	537	24.7	593	28.5	614	26.9	559	24.5
Garnett.....	48	15.0	52	15.8	38	11.9	40	13.3	46	15.3
Girard.....	39	13.0	38	13.1	40	13.8	37	12.8	33	11.4
Goodland.....	96	17.5	91	16.9	84	15.8	70	13.7	74	14.8
Great Bend.....	355	19.9	361	20.5	347	19.7	320	18.4	244	14.7
Hays.....	335	18.8	343	19.0	341	18.8	328	18.4	247	14.3
Haysville.....	97	11.5	109	13.0	78	9.2	99	11.5	82	9.4
Herington.....	38	13.6	30	10.3	31	10.7	36	12.4	23	7.9
Hesston.....	47	15.2	39	13.0	47	15.7	35	12.1	44	15.2
Hiawatha.....	55	15.7	42	11.4	52	14.4	44	12.2	58	16.1
Hillsboro.....	34	13.1	40	15.4	31	11.9	17	6.5	26	10.4
Hoisington.....	60	15.8	68	18.4	56	15.1	53	14.7	44	12.9
Holton.....	34	11.0	46	15.3	51	17.0	33	11.0	33	11.0
Hugoton.....	62	19.4	68	21.3	51	15.9	56	17.0	45	13.6
Hutchinson.....	681	16.8	637	15.8	643	15.8	626	15.1	616	14.9
Independence....	187	16.8	185	16.8	133	12.3	175	16.8	180	17.5
Iola.....	122	17.2	122	17.4	104	15.1	96	14.1	92	13.9
Junction City...	745	37.3	698	36.4	696	35.5	694	34.2	709	36.5
Kansas City.....	3,037	18.7	2,987	18.6	2,947	18.2	2,951	18.2	2,817	17.4

TABLE 7
LIVE BIRTHS BY NUMBER AND RATE*
BY CITY OF RESIDENCE
KANSAS, 1983-1987

City of Residence	Year									
	1983		1984		1985		1986		1987	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kingman.....	40	11.4	46	12.8	49	13.6	51	15.0	41	12.1
Lansing.....	77	12.0	77	12.0	75	11.5	63	9.4	69	9.7
Larned.....	76	15.8	59	12.0	55	11.5	56	12.4	44	9.8
Lawrence.....	755	13.9	784	14.5	755	13.7	856	15.2	785	13.4
Leavenworth.....	528	15.2	504	14.4	482	13.5	508	14.0	552	14.3
Leawood.....	131	9.2	126	8.7	128	8.6	165	10.2	179	10.7
Lenexa.....	342	16.2	311	13.3	407	16.9	474	17.3	542	18.9
Liberal.....	344	21.4	347	22.0	352	21.5	375	22.6	362	21.9
Lindsborg.....	30	9.1	37	11.2	31	9.4	21	6.4	32	9.7
Lyons.....	79	19.8	60	15.0	69	17.7	46	12.4	57	15.4
Manhattan	748	22.1	689	20.9	792	24.4	781	23.1	803	24.2
Marysville.....	58	15.3	45	11.8	52	14.1	55	14.9	47	13.1
McPherson.....	225	18.4	195	16.3	214	17.8	210	17.2	182	15.0
Medicine Lodge..	46	18.4	40	14.8	39	14.4	32	12.3	36	14.4
Merriam.....	164	14.8	149	13.3	193	16.6	178	14.8	186	14.8
Mission.....	113	12.8	128	15.1	126	14.3	113	13.1	109	12.1
Mission Hills...	17	4.3	12	3.0	14	3.4	12	2.9	23	5.3
Mulvane	79	17.6	68	15.5	73	16.2	93	20.2	60	13.0
Neodesha.....	54	16.4	39	11.8	49	15.3	46	13.9	64	20.0
Newton.....	269	16.1	241	14.7	274	16.7	243	14.8	238	14.5
Norton.....	50	15.6	53	16.1	51	15.9	53	17.1	38	11.9
Olathe.....	967	22.3	979	20.9	1,107	22.9	1,127	21.6	1,161	21.2
Osage City.....	39	13.9	26	9.3	31	11.5	30	11.1	35	12.5
Osawatomie.....	66	14.3	66	14.3	71	15.4	55	12.2	71	15.4
Ottawa.....	195	17.6	181	16.5	198	18.2	160	14.8	186	17.1
Overland Park...	1,053	12.2	1,199	13.4	1,238	13.5	1,305	13.5	1,424	14.1
Paola.....	56	12.4	79	18.0	75	17.0	61	14.2	74	16.8
Parsons.....	215	16.4	198	15.1	212	16.3	197	15.5	189	14.8
Phillipsburg....	45	14.5	47	15.2	35	11.3	41	14.1	41	14.1
Pittsburg.....	271	14.5	283	15.3	255	13.9	231	12.6	213	11.7
Plainville.....	50	20.0	42	16.8	43	17.9	43	17.9	34	15.5
Prairie Village.	351	14.0	309	12.8	330	13.3	341	14.3	327	13.1
Pratt.....	124	16.8	107	14.3	107	14.1	115	15.8	80	11.4
Roeland Park....	106	13.1	79	10.0	134	16.3	112	13.7	133	15.6
Russell.....	102	18.5	68	12.1	73	13.3	70	13.2	59	11.6
Salina.....	751	17.5	715	16.7	646	15.1	660	15.4	640	14.8
Scott City.....	69	17.3	70	16.7	56	13.7	62	15.5	49	12.6
Shawnee.....	475	15.1	500	16.7	487	15.8	536	17.7	527	16.6
Topeka.....	2,003	16.6	1,921	16.2	1,882	15.8	1,872	15.8	1,975	16.5
Ulysses.....	119	24.8	94	20.0	106	22.6	113	23.5	91	19.0
Valley Center...	50	19.2	67	23.9	56	20.0	63	21.7	57	19.7
Wamego.....	74	21.8	77	22.0	58	16.6	80	22.9	61	16.9
Wellington.....	141	17.0	133	16.2	137	16.7	136	16.4	125	15.2
Wichita.....	5,860	20.2	6,244	21.9	6,144	21.4	6,161	21.3	6,144	21.1
Winfield.....	181	15.0	178	15.1	155	13.2	174	14.9	154	13.3

*Rates per 1,000 population

LIVE BIRTH RATES
BY COUNTY OF RESIDENCE
KANSAS, 1987



LIVE BIRTHS PER 1,000 POPULATION

STATE RATE: 15.5

Under 10.0

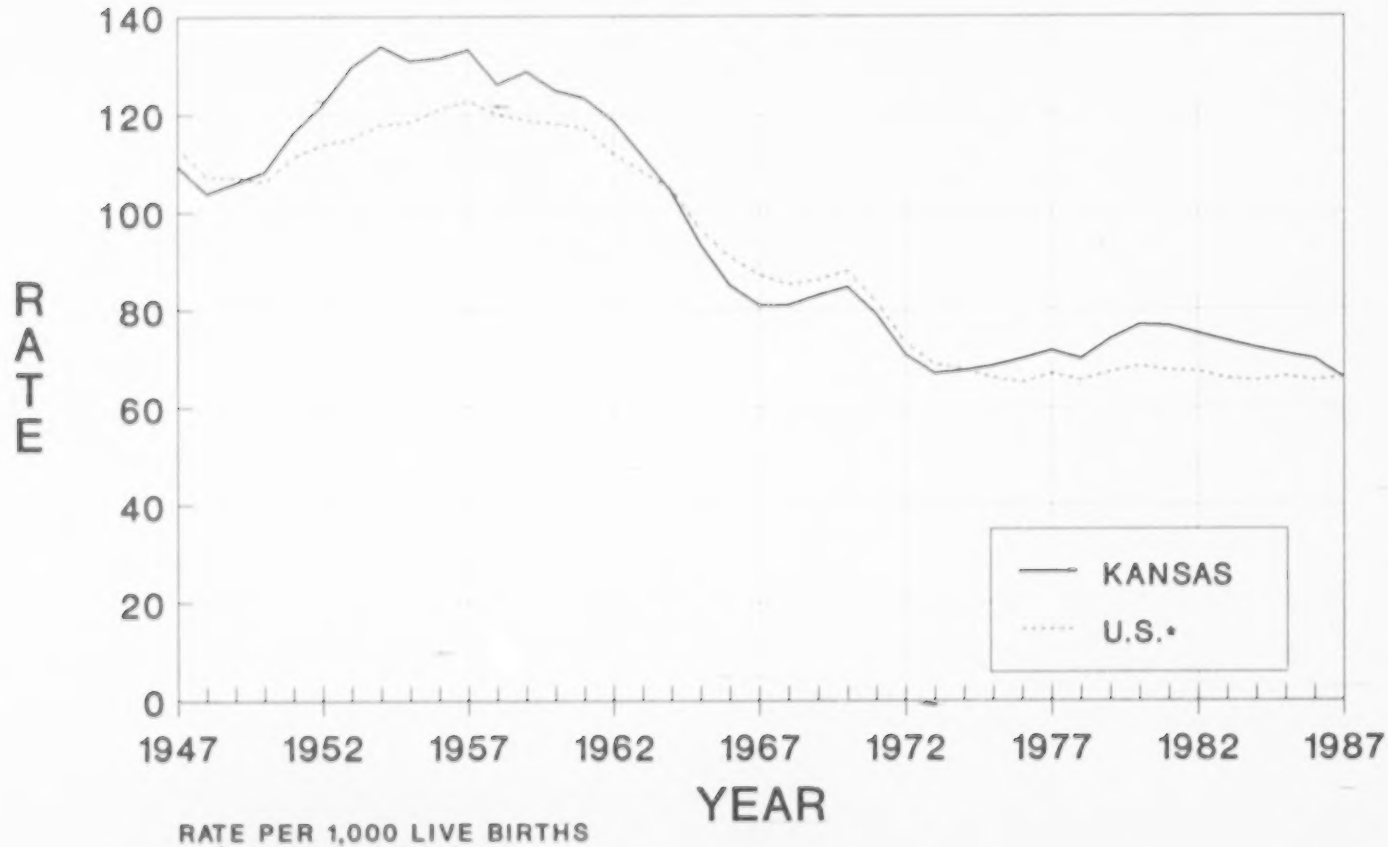
10.0-12.9

13.0-16.9

17.0 & over

Figure 11

FERTILITY RATES
KANSAS AND THE U.S., 1947-1987



RATE PER 1,000 LIVE BIRTHS
*1987 RATE PROVISIONAL
RESIDENCE DATA

Figure 12

AGE-SPECIFIC FERTILITY RATES
KANSAS, 1983-1987

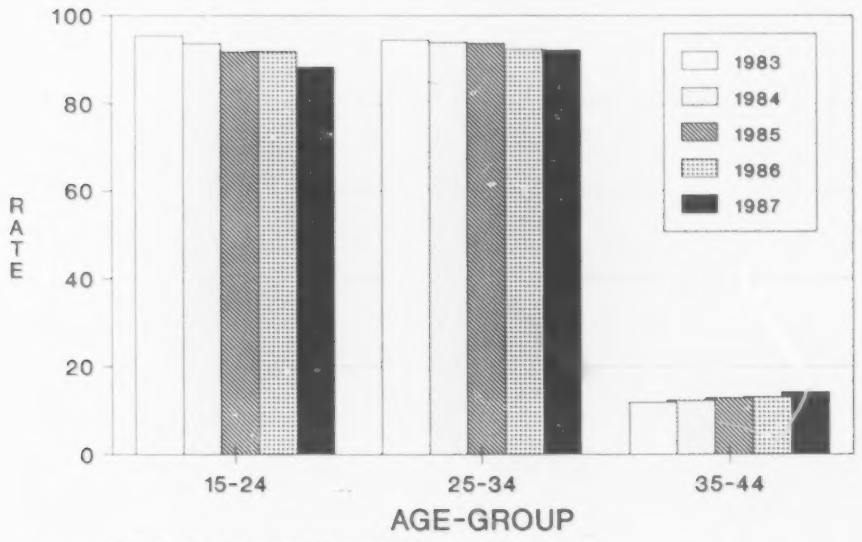


Figure 13

TABLE 8
AGE-SPECIFIC FERTILITY RATES*
BY AGE-GROUP OF MOTHER
KANSAS, 1980-1987

Age-Group	Year								Percent Change 1980-1987
	1980	1981	1982	1983	1984	1985	1986	1987	
5-14....	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	-2.9
15-24....	96.4	97.7	96.3	95.4	93.7	91.7	91.8	88.1	-8.6
25-34....	98.0	96.6	95.6	94.4	93.8	93.6	92.3	92.1	-6.1
35-44....	10.8	10.8	11.3	11.8	12.2	12.8	13.0	14.0	-29.6
45-54....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	**

*Rate per 1,000 female 15-44 population
**Percent does not meet statistical standards of precision or reliability
Residence data

TABLE 9
LIVE BIRTHS BY AGE-GROUP OF MOTHER BY AGE-GROUP OF FATHER
KANSAS, 1987

Age-Group of Father	Total	Age-Group of Mother									
		Under 18	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Total.....	38,435	1,471	58	4,271	11,681	12,949	7,107	2,110	237	20	2
10 - 14...	1	1	-	1	-	-	-	-	-	-	-
15 - 19...	1,061	409	12	830	197	18	3	1	-	-	-
20 - 24...	7,438	348	6	1,669	4,880	752	108	20	2	1	-
25 - 29...	12,073	55	-	340	4,067	6,660	898	99	8	1	-
30 - 34...	9,029	12	2	66	915	3,847	3,802	381	15	1	-
35 - 39...	3,803	7	-	20	214	817	1,668	1,041	42	1	-
40 - 44...	1,027	1	-	4	52	186	303	375	103	3	1
45 & Over.	313	-	-	3	14	48	89	96	51	12	-
N.S.....	3,690	638	38	1,338	1,342	621	236	97	16	1	1

Residence data

TABLE 10
LIVE BIRTHS BY AGE-GROUP OF MOTHER
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	N.S.
Kansas.....	38,435	58	4,271	11,681	12,949	7,107	2,110	237	20	2
Allen.....	198	-	24	62	79	27	6	-	-	-
Anderson.....	102	-	15	44	29	8	5	1	-	-
Atchison.....	252	1	34	83	70	52	12	-	-	-
Barber.....	85	-	12	28	26	13	5	1	-	-
Barton.....	473	-	44	134	190	86	17	2	-	-
Bourbon.....	200	-	26	74	64	21	15	-	-	-
Brown.....	169	1	23	62	54	19	6	4	-	-
Butler.....	731	-	72	222	247	141	47	2	-	-
Chase.....	30	-	4	13	7	4	2	-	-	-
Chautauqua...	54	1	4	22	18	6	3	-	-	-
Cherokee.....	270	1	50	97	75	32	13	1	1	-
Cheyenne.....	34	-	-	9	15	8	2	-	-	-
Clark.....	31	-	2	12	9	6	1	1	-	-
Clay.....	113	-	14	39	38	20	2	-	-	-
Cloud.....	132	-	14	44	43	26	5	-	-	-
Coffey.....	106	-	14	36	39	17	-	-	-	-
Comanche.....	30	-	5	8	11	4	2	-	-	-
Cowley.....	528	1	77	200	148	78	22	2	-	-
Crawford.....	433	-	58	151	144	60	18	2	-	-
Decatur.....	49	-	3	11	24	10	1	-	-	-
Dickinson....	250	-	28	93	85	35	9	-	-	-
Doniphan.....	111	-	13	37	38	13	9	1	-	-
Douglas.....	995	1	79	252	336	252	66	8	1	-
Edwards.....	55	-	4	14	19	15	3	-	-	-
Elk.....	38	-	5	11	14	6	2	-	-	-
Ellis.....	341	-	25	105	136	56	16	3	-	-
Ellsworth....	81	-	6	20	29	20	6	-	-	-
Finney.....	756	1	84	275	226	118	45	7	-	-
Ford.....	559	1	81	169	189	100	18	1	-	-
Franklin.....	338	-	44	118	118	45	10	3	-	-
Geary*.....	1,128	1	160	506	312	119	28	1	-	1
Gove.....	41	-	-	17	17	6	-	1	-	-
Graham.....	40	-	1	12	19	8	-	-	-	-
Grant.....	130	-	15	43	37	23	12	-	-	-
Gray.....	110	-	11	27	41	20	10	1	-	-
Greeley.....	30	-	4	8	10	7	1	-	-	-
Greenwood....	103	-	12	37	44	6	2	2	-	-
Hamilton.....	28	-	4	9	8	4	2	1	-	-
Harper.....	77	-	2	32	27	13	2	1	-	-
Harvey.....	422	-	39	121	158	73	26	5	-	-
Haskell.....	80	-	16	27	22	12	3	-	-	-
Hodgeman.....	30	-	5	12	8	4	1	-	-	-
Jackson.....	146	-	20	50	44	20	10	2	-	-
Jefferson....	212	-	13	66	86	35	11	1	-	-
Jewell.....	59	-	1	12	24	19	2	1	-	-
Johnson.....	5,117	1	243	980	1,901	1,496	447	47	1	1
Kearny.....	85	-	8	27	36	11	3	-	-	-
Kingman.....	113	-	6	34	41	26	6	-	-	-
Kiowa.....	55	1	3	14	22	14	1	-	-	-
Labette.....	346	-	47	133	102	46	17	1	-	-
Lane.....	33	-	3	12	7	7	4	-	-	-
Leavenworth..	850	-	97	242	290	147	61	13	-	-
Lincoln.....	36	-	1	7	15	10	2	1	-	-
Linn.....	90	-	11	34	28	9	7	1	-	-
Logan.....	41	-	-	12	18	9	2	-	-	-

TABLE 10
LIVE BIRTHS BY AGE-GROUP OF MOTHER
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	N.S.
Lyon.....	578	3	64	194	202	86	25	4	-	-
Marion.....	141	-	10	46	54	26	5	-	-	-
Marshall.....	166	-	10	46	62	35	11	2	-	-
McPherson....	378	-	23	107	155	77	15	1	-	-
Meade.....	67	1	4	23	28	8	3	-	-	-
Miami.....	358	1	51	97	123	65	21	-	-	-
Mitchell.....	87	-	4	20	35	20	7	-	1	-
Montgomery...	579	3	115	199	175	71	15	-	1	-
Morris.....	82	-	10	24	30	14	2	2	-	-
Morton.....	59	-	4	19	25	9	2	-	-	-
Nemaha.....	146	-	7	38	58	28	11	1	3	-
Neosho.....	233	2	36	80	75	29	11	-	-	-
Ness.....	49	-	2	18	17	8	4	-	-	-
Norton.....	64	-	4	26	26	7	-	1	-	-
Osage.....	199	-	20	65	71	35	6	2	-	-
Osborne.....	57	-	7	21	16	12	1	-	-	-
Ottawa.....	65	-	1	24	31	9	-	-	-	-
Pawnee.....	82	-	5	26	32	11	5	2	1	-
Phillips.....	84	-	10	23	30	18	2	1	-	-
Pottawatomie.	240	-	25	75	83	41	14	2	-	-
Pratt.....	120	-	9	38	44	21	8	-	-	-
Rawlins.....	47	-	3	9	15	11	9	-	-	-
Reno.....	903	1	105	284	276	182	50	5	-	-
Republic.....	88	-	5	24	34	17	8	-	-	-
Rice.....	149	-	17	55	46	21	9	1	-	-
Riley*.....	1,051	-	103	379	325	183	57	4	-	-
Rooks.....	84	-	9	24	31	14	4	2	-	-
Rush.....	34	-	3	7	11	8	5	-	-	-
Russell.....	98	-	8	24	40	21	5	-	-	-
Saline.....	716	2	70	224	248	134	32	6	-	-
Scott.....	72	-	5	24	29	11	2	1	-	-
Sedgwick.....	7,274	13	893	2,238	2,367	1,309	410	40	4	-
Seward.....	395	2	68	134	136	42	11	1	1	-
Shawnee.....	2,386	3	267	676	814	471	139	16	-	-
Sheridan.....	42	-	3	10	16	6	6	1	-	-
Sherman.....	96	-	16	26	36	14	4	-	-	-
Smith.....	46	-	2	13	23	8	-	-	-	-
Stafford.....	69	-	8	17	27	12	4	1	-	-
Stanton.....	42	-	3	15	14	8	2	-	-	-
Stevens.....	77	-	9	30	24	12	2	-	-	-
Sumner.....	356	-	37	123	121	53	20	1	1	-
Thomas.....	120	-	13	35	41	22	8	1	-	-
Trego.....	47	-	1	10	24	11	1	-	-	-
Wabaunsee....	77	-	7	18	28	19	3	2	-	-
Wallace.....	45	-	4	11	19	9	1	1	-	-
Washington...	87	-	4	29	33	15	6	-	-	-
Wichita.....	40	-	3	13	14	7	3	-	-	-
Wilson.....	147	-	24	58	42	19	4	-	-	-
Woodson.....	50	-	6	18	14	9	1	2	-	-
Wyandotte....	3,017	16	568	1,025	892	387	108	16	5	-

*All births occurring at Irwin Army Hospital to Ft. Riley residents were recorded for Geary County even when Riley was the county of residence.

TABLE 11
LIVE BIRTHS BY AGE-GROUP OF MOTHER BY BIRTH WEIGHT IN GRAMS
KANSAS, 1987

Age-Group of Mother	Total	Birth Weight in Grams											
		500 & Under	501 - 1000	1001 - 1500	1501 - 2000	2001 - 2500	2501 - 3000	3001 - 3500	3501 - 4000	4001 - 4500	4501 - 5000	5001 & Over	N.S.
Total	38,435	55	158	191	475	1,558	5,769	14,159	11,806	3,609	554	91	10
10-14	58	-	-	-	2	-	11	27	16	2	-	-	-
15-19	4,271	7	31	40	83	249	803	1,690	1,077	242	43	5	1
20-24	11,681	19	44	57	154	526	1,891	4,439	3,459	935	130	25	2
25-29	12,949	13	49	54	117	465	1,818	4,697	4,180	1,316	205	32	3
30-34	7,107	10	29	25	88	220	909	2,533	2,311	824	135	21	2
35-39	2,110	4	4	12	31	85	293	708	676	252	37	7	1
40-44	237	2	1	3	-	10	41	60	80	36	3	1	-
45 & Over	20	-	-	-	-	3	2	4	7	2	1	-	1
N.S.	2	-	-	-	-	-	1	1	-	-	-	-	-

Residence data

TABLE 12
LIVE BIRTHS BY BIRTH WEIGHT IN GRAMS
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Birth Weight in Grams											
		500 & Under	501 - 1000	1001 - 1500	1501 - 2000	2001 - 2500	2501 - 3000	3001 - 3500	3501 - 4000	4001 - 4500	4501 - 5000	5001 & Over	N.S.
Kansas	38,435	55	158	191	475	1,558	5,769	14,159	11,806	3,609	554	91	10
Allen	198	-	-	-	1	7	33	70	58	24	4	1	-
Anderson	102	-	-	-	1	3	7	38	44	8	-	1	-
Atchison	252	1	-	2	1	10	30	101	71	32	4	-	-
Barber	85	-	-	-	1	4	13	31	26	8	2	-	-
Barton	473	-	-	-	7	25	52	176	157	48	7	1	-
Bourbon	200	-	1	2	4	9	33	70	55	23	2	1	-
Brown	169	-	2	-	1	8	28	50	62	15	3	-	-
Butler	731	-	4	6	11	27	107	248	254	62	10	2	-
Chase	30	-	1	-	-	-	7	10	11	-	1	-	-
Chautauqua	54	-	-	1	-	-	10	22	14	7	-	-	-
Cherokee	270	-	-	3	3	14	41	99	73	30	6	1	-
Cheyenne	34	-	-	-	-	2	3	15	7	4	2	1	-
Clark	31	-	-	1	-	1	2	13	10	4	-	-	-
Clay	113	-	-	-	3	4	11	35	47	10	3	-	-
Cloud	132	-	-	-	1	4	24	39	46	17	1	-	-
Coffey	106	-	-	1	-	4	17	42	34	6	1	1	-
Comanche	30	-	-	1	-	1	4	14	8	2	-	-	-
Cowley	528	2	1	4	4	18	76	201	162	52	8	-	-
Crawford	433	-	1	2	4	16	67	166	125	44	6	2	-
Decatur	49	-	-	-	-	-	7	16	19	7	-	-	-
Dickinson	250	-	-	-	1	12	34	96	78	22	6	1	-
Doniphan	111	-	-	-	3	-	8	49	34	16	1	-	-
Douglas	995	1	3	4	10	39	161	338	311	97	26	3	2
Edwards	55	-	-	-	-	3	4	22	26	-	-	-	-
Elk	38	-	-	-	-	-	7	11	14	5	1	-	-
Ellis	341	-	-	3	1	15	43	141	102	32	2	2	-
Ellsworth	81	-	-	-	-	2	6	30	30	12	1	-	-
Finney	756	-	5	2	9	37	135	312	196	55	5	-	-
Ford	559	-	4	3	9	16	91	225	169	39	3	-	-
Franklin	338	-	1	-	5	18	42	106	111	45	9	1	-
Geary*	1,128	5	2	9	21	62	185	434	314	79	10	7	-
Gove	41	-	-	-	-	2	7	18	12	2	-	-	-
Graham	40	-	-	1	1	2	5	13	9	8	1	-	-
Grant	130	-	-	-	-	6	15	53	45	10	1	-	-
Gray	110	-	1	-	-	2	15	40	35	15	2	-	-

TABLE 12
LIVE BIRTHS BY BIRTH WEIGHT IN GRAMS
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Birth Weight in Grams											
		500 & Under	501 - 1000	1001 - 1500	1501 - 2000	2001 - 2500	2501 - 3000	3001 - 3500	3501 - 4000	4001 - 4500	4501 - 5000	5001 & Over	N.S.
Greeley	30	-	-	-	-		2	14	9	5	-	-	-
Greenwood	103	-	-	-	-	2	17	32	44	7	1	-	-
Hamilton	28	1	1	-	-	2	1	14	6	2	1	-	-
Harper	77	-	1	-	-	2	16	33	14	8	3	-	-
Harvey	422	1	-	4	5	16	69	158	125	35	6	3	-
Haskell	80	-	-	-	-	3	11	34	25	7	-	-	-
Hodgeman	30	-	-	-	1	-	-	11	12	6	-	-	-
Jackson	146	-	2	-	2	4	14	62	41	18	3	-	-
Jefferson	212	-	2	-	1	6	33	80	65	24	1	-	-
Jewell	59	-	-	-	-	1	6	26	19	6	-	1	-
Johnson	5,117	5	16	16	58	157	640	1,857	1,732	544	76	13	3
Kearny	85	-	-	-	2	6	5	37	29	6	-	-	-
Kingman	113	-	1	-	1	4	18	39	39	10	1	-	-
Kiowa	55	-	-	-	1	1	9	28	10	5	1	-	-
Labette	346	-	-	2	4	7	43	145	115	27	3	-	-
Lane	33	-	-	-	1	-	5	15	7	5	-	-	-
Leavenworth	850	-	3	8	12	38	137	295	242	96	14	5	-
Lincoln	36	-	-	-	1	3	2	14	15	1	-	-	-
Linn	90	-	-	1	1	4	11	26	38	8	1	-	-
Logan	41	-	-	-	-	1	7	14	13	5	1	-	-
Lyon	578	-	1	1	4	21	82	212	187	62	6	2	-
Marion	141	-	1	-	1	4	20	52	44	18	1	-	-
Marshall	166	-	1	-	2	2	16	59	54	26	4	2	-
McPherson	378	-	-	-	5	15	39	132	135	42	10	-	-
Meade	67	-	-	-	1	1	10	32	19	2	2	-	-
Miami	358	-	-	2	1	25	48	112	124	36	10	-	-
Mitchell	87	-	-	1	2	3	10	28	29	11	3	-	-
Montgomery	579	1	2	1	7	29	78	220	187	40	14	-	-
Morris	82	-	-	-	-	-	15	25	32	8	2	-	-
Morton	59	-	-	-	-	4	10	22	15	8	-	-	-
Nemaha	146	-	-	-	1	3	20	45	58	17	2	-	-
Neosho	233	-	-	-	-	7	26	85	81	30	3	1	-
Ness	49	-	-	-	-	-	3	25	16	4	1	-	-
Norton	64	-	-	2	1	1	6	27	20	5	1	1	-
Osage	199	-	1	1	2	12	30	70	59	20	4	-	-
Osborne	57	-	-	-	-	1	8	17	28	3	-	-	-
Ottawa	65	-	-	-	-	-	5	24	26	8	1	1	-
Pawnee	82	-	-	1	1	3	13	31	24	7	2	-	-
Phillips	84	-	-	-	-	5	13	26	28	9	3	-	-
Pottawatomie	240	-	1	2	1	15	43	86	74	15	2	-	1

TABLE 12
LIVE BIRTHS BY BIRTH WEIGHT IN GRAMS
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Birth Weight in Grams											
		500 & Under	501 - 1000	1001 - 1500	1501 - 2000	2001 - 2500	2501 - 3000	3001 - 3500	3501 - 4000	4001 - 4500	4501 - 5000	5001 & Over	N.S.
Pratt	120	-	1	-	1	3	21	46	36	9	3	-	-
Rawlins	47	-	-	-	-	-	12	18	11	6	-	-	-
Reno	903	2	4	7	10	31	138	328	291	84	7	1	-
Republic	88	1	-	-	-	-	5	29	35	16	2	-	-
Rice	149	-	-	3	2	8	15	66	38	15	1	1	-
Riley*	1,051	-	4	4	8	31	145	379	345	121	12	2	-
Rooks	84	-	-	-	1	2	9	26	35	10	1	-	-
Rush	34	-	1	-	-	4	5	10	12	2	-	-	-
Russell	98	-	1	1	-	3	13	36	30	13	-	1	-
Saline	716	-	3	3	9	25	108	276	205	71	14	2	-
Scott	72	-	-	-	-	3	8	26	23	9	3	-	-
Sedgwick	7,274	17	42	45	112	305	1,224	2,698	2,090	629	96	16	-
Seward	395	-	-	3	6	20	75	167	99	19	6	-	-
Shawnee	2,386	8	15	13	33	96	384	848	739	204	40	5	1
Sheridan	42	-	-	-	2	-	4	13	15	6	2	-	-
Sherman	96	-	-	-	1	2	22	34	27	9	1	-	-
Smith	46	-	1	-	-	-	9	14	17	4	1	-	-
Stafford	69	-	-	-	1	4	10	24	22	4	3	1	-
Stanton	42	-	-	-	2	1	6	17	12	3	1	-	-
Stevens	77	-	-	-	2	4	9	31	23	8		-	-
Sumner	356	-	1	3	5	12	55	125	106	41	8	-	-
Thomas	120	-	-	-	-	6	16	53	27	15	3	-	-
Trego	47	-	-	-	-	2	8	18	15	4	-	-	-
Wabaunsee	77	-	1	-	2	3	9	20	33	9	-	-	-
Wallace	45	-	-	-	-	1	7	15	18	4	-	-	-
Washington	87	-	1	1	-	6	9	34	28	6	2	-	-
Wichita	40	-	-	-	2	3	1	13	18	2	-	1	-
Wilson	147	1	-	-	1	4	25	52	41	17	5	1	-
Woodson	50	-	-	-	-	3	5	16	16	8	2	-	-
Wyandotte	3,017	9	24	21	54	195	541	1,119	790	225	30	6	3

*All births occurring at Irwin Army Hospital to Ft. Riley residents were recorded for Geary County even when Riley was the county of residence.

TABLE 13
LIVE BIRTHS BY RACE AND SEX OF INFANT
BY COUNTY OF RESIDENCE
KANSAS, 1987

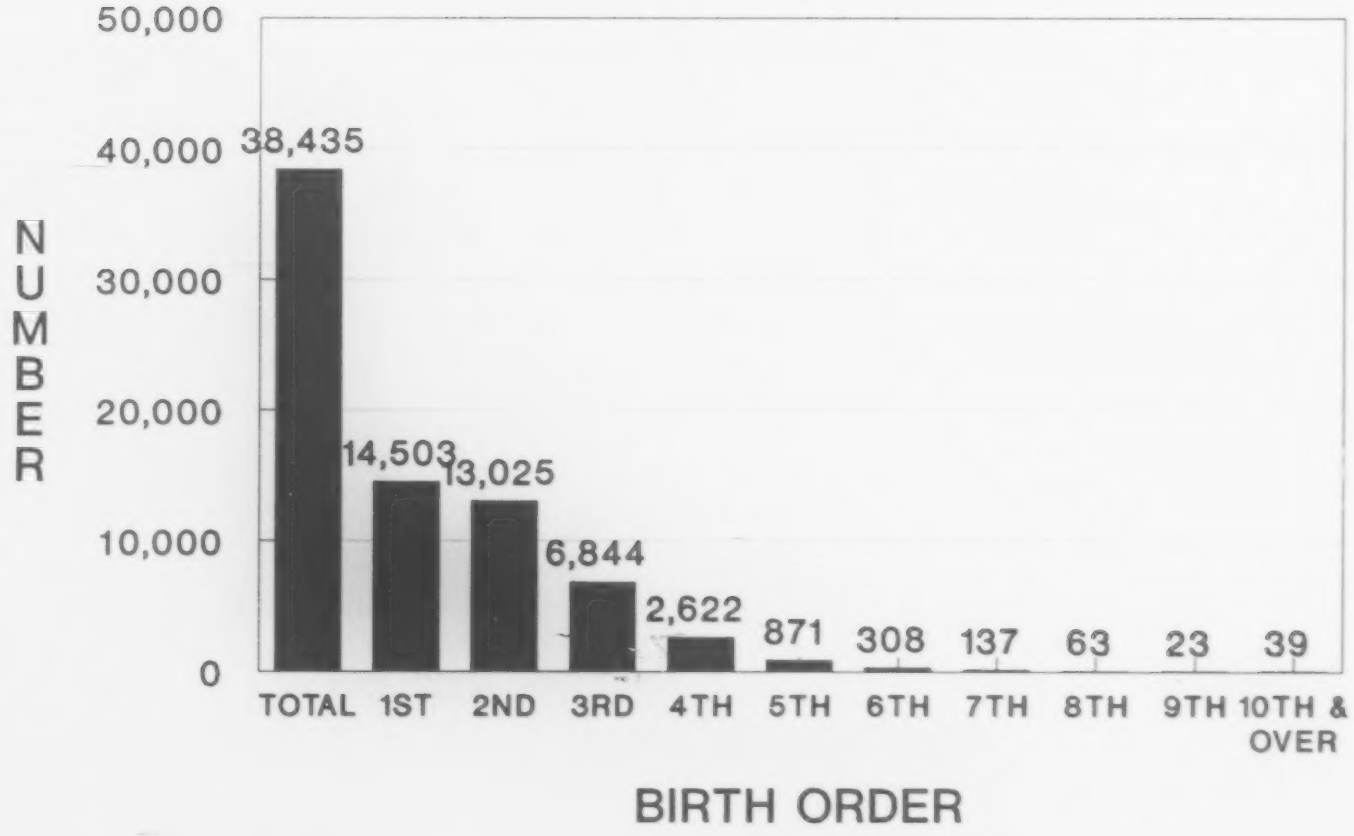
County of Residence	Total	Males					Females				
		White	Black	Other	N.S.	Total	White	Black	Other	N.S.	To
Kansas.....	38,435*	17,180	1,764	605	8	19,557	16,546	1,721	608	1	18,
Allen.....	198	107	1	2	-	110	85	2	1	-	
Anderson.....	102	49	-	1	-	50	50	-	2	-	
Atchison.....	252	116	11	-	-	127	110	14	1	-	
Barber.....	85	43	-	-	-	43	42	-	-	-	
Barton.....	473	226	5	1	-	232	237	3	1	-	
Bourbon.....	200	102	-	-	-	102	94	4	-	-	
Brown.....	169	69	4	11	-	84	73	1	11	-	
Butler.....	731	347	2	7	-	356	371	3	1	-	
Chase.....	30	16	-	-	-	16	14	-	-	-	
Chautauqua...	54	25	-	2	-	27	24	-	2	1	
Cherokee.....	270	120	1	8	-	129	132	2	7	-	
Cheyenne.....	34	15	-	1	-	16	18	-	-	-	
Clark.....	31	13	-	-	-	13	18	-	-	-	
Clay.....	113	53	-	1	-	54	58	1	-	-	
Cloud.....	132	71	-	-	-	71	60	-	1	-	
Coffey.....	106	50	-	-	-	50	56	-	-	-	
Comanche.....	30	20	-	-	-	20	10	-	-	-	
Cowley.....	528	247	8	10	-	265	237	16	10	-	
Crawford.....	423	208	4	6	-	218	204	5	6	-	
Decatur.....	49	25	-	-	-	25	23	-	1	-	
Dickinson....	250	120	2	4	-	126	121	1	2	-	
Doniphan.....	111	58	-	1	-	59	50	1	1	-	
Douglas.....	995	437	43	26	2	508	406	33	48	-	
Edwards.....	55	24	-	-	-	24	31	-	-	-	
Elk.....	38	15	-	-	-	15	23	-	-	-	
Ellis.....	341	172	1	2	-	175	163	-	3	-	
Ellsworth....	81	42	-	-	-	42	39	-	-	-	
Finney.....	756	345	12	35	-	392	312	14	38	-	
Ford.....	559	251	11	13	-	275	248	13	23	-	
Franklin.....	338	173	3	3	-	179	152	2	5	-	
Geary**.....	1,128	324	207	43	-	574	351	169	34	-	
Gove.....	41	22	-	1	-	23	18	-	-	-	
Graham.....	40	20	1	-	-	21	19	-	-	-	
Grant.....	130	67	-	2	-	69	61	-	-	-	
Gray.....	110	55	-	-	-	55	54	-	1	-	
Greeley.....	30	17	-	-	-	17	13	-	-	-	
Greenwood....	103	58	-	-	-	58	45	-	-	-	
Hamilton.....	28	16	-	-	-	16	11	-	1	-	
Harper.....	77	38	-	1	-	39	37	-	1	-	
Harvey.....	422	214	4	6	-	224	192	4	2	-	
Haskell.....	80	38	-	-	-	38	41	-	1	-	
Hodgeman.....	30	18	-	-	-	18	11	1	-	-	
Jackson.....	146	76	-	3	-	79	56	-	11	-	
Jefferson....	212	90	-	-	-	90	117	-	5	-	
Jewell.....	59	32	-	1	-	33	26	-	-	-	
Johnson.....	5,117	2,530	60	52	1	2,643	2,371	54	49	-	2,
Kearny.....	85	45	-	2	-	47	37	1	-	-	
Kingman.....	113	58	-	-	-	58	55	-	-	-	
Kiowa.....	55	28	-	-	-	28	26	-	1	-	
Labette.....	346	174	9	3	-	186	149	8	3	-	
Lane.....	33	20	-	-	-	20	13	-	-	-	
Leavenworth..	850	376	46	15	-	437	345	57	11	-	
Lincoln.....	36	18	-	-	-	18	18	-	-	-	
Linn.....	90	47	-	-	-	47	41	2	-	-	
Logan.....	41	22	-	-	-	22	19	-	-	-	

TABLE 13
LIVE BIRTHS BY RACE AND SEX OF INFANT
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Males					Females				
		White	Black	Other	N.S.	Total	White	Black	Other	N.S.	Total
Lyon.....	578	260	9	13	-	282	277	9	10	-	296
Marion.....	141	69	1	-	-	70	70	-	1	-	71
Marshall.....	166	100	-	-	-	100	66	-	-	-	66
McPherson....	378	200	2	3	-	205	170	2	1	-	173
Meade.....	67	27	-	2	-	29	37	-	1	-	38
Miami.....	358	178	8	1	-	187	164	6	1	-	171
Mitchell.....	87	44	-	1	-	45	42	-	-	-	42
Montgomery...	579	246	36	13	-	295	242	35	7	-	284
Morris.....	82	48	-	-	-	48	33	-	1	-	34
Morton.....	59	31	-	-	-	31	26	-	2	-	28
Nemaha.....	146	63	-	-	-	63	83	-	-	-	83
Neosho.....	233	108	2	2	-	112	120	-	1	-	121
Ness.....	49	24	-	-	-	24	25	-	-	-	25
Norton.....	64	37	-	-	-	37	27	-	-	-	27
Osage.....	199	94	-	3	-	97	100	-	2	-	102
Osborne.....	57	27	-	-	-	27	30	-	-	-	30
Ottawa.....	65	34	-	-	-	34	31	-	-	-	31
Pawnee.....	82	42	1	-	-	43	38	1	-	-	39
Phillips.....	84	39	-	-	-	39	44	1	-	-	45
Pottawatomie.	240	120	1	-	1	122	115	1	2	-	118
Pratt.....	120	59	-	-	-	59	59	2	-	-	61
Rawlins.....	47	28	-	-	-	28	19	-	-	-	19
Reno.....	903	438	20	4	-	462	415	21	5	-	441
Republic.....	88	42	-	-	-	42	46	-	-	-	46
Rice.....	149	73	1	-	-	74	75	-	-	-	75
Riley**.....	1,051	450	48	19	-	517	448	55	31	-	534
Rooks.....	84	45	-	-	-	45	38	1	-	-	39
Rush.....	34	17	-	-	-	17	17	-	-	-	17
Russell.....	98	49	2	-	-	51	47	-	-	-	47
Saline.....	716*	339	17	8	-	364	335	11	5	-	351
Scott.....	72	47	-	-	-	47	25	-	-	-	25
Sedgwick.....	7,274*	2,977	498	168	1	3,644	3,011	481	137	-	3,629
Seward.....	395	158	29	18	-	205	156	18	16	-	190
Shawnee.....	2,386	1,059	146	33	3	1,241	947	160	38	-	1,145
Sheridan.....	42	25	-	-	-	25	17	-	-	-	17
Snerman.....	96	37	-	1	-	38	56	-	2	-	58
Smith.....	46	22	-	-	-	22	24	-	-	-	24
Stafford.....	69	33	-	1	-	34	35	-	-	-	35
Stanton.....	42	24	-	-	-	24	18	-	-	-	18
Stevens.....	77	37	-	1	-	38	38	1	-	-	39
Sumner.....	356	182	4	5	-	191	164	1	-	-	165
Thomas.....	120	64	-	1	-	65	55	-	-	-	55
Trego.....	47	27	-	-	-	27	20	-	-	-	20
Wabaunsee....	77	35	-	-	-	35	42	-	-	-	42
Wallace.....	45	27	-	1	-	28	17	-	-	-	17
Washington...	87	44	1	1	-	46	41	-	-	-	41
Wichita.....	40	22	-	-	-	22	17	-	1	-	18
Wilson.....	147	77	-	2	-	79	67	-	1	-	68
Woodson.....	50	25	-	-	-	25	24	-	1	-	25
Wyandotte....	3,017	965	503	41	-	1,509	946	504	58	-	1,508

*Sex of two infants unknown. One was recorded in Saline County and and one in Sedgwick County.
**All births occurring at Irwin Army Hospital to Ft. Riley residents were recorded for Geary County even when Riley was the county of residence.

LIVE BIRTHS BY BIRTH ORDER
KANSAS, 1987



RESIDENCE DATA

Figure 14

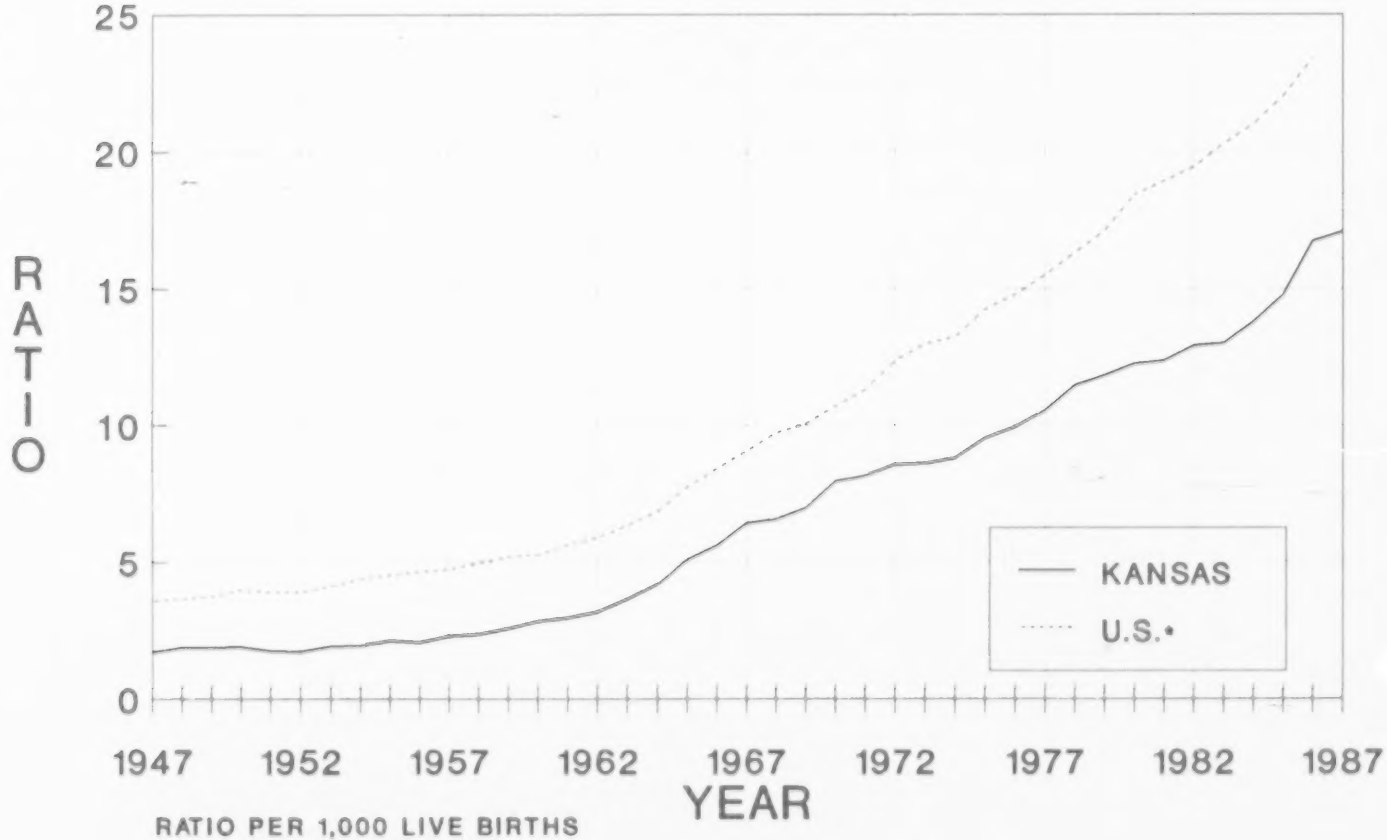
TABLE 14
OUT-OF-WEDLOCK BIRTHS BY AGE-GROUP AND RACE OF MOTHER
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group of Mother								Race of Mother		
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	White	Black	Other Non White
Kansas.....	6,558	54	2,378	2,405	1,121	424	156	18	2	4,581	1,791	186
Allen.....	33	-	12	13	7	1	-	-	-	32	-	1
Anderson.....	15	-	7	7	1	-	-	-	-	13	-	2
Atchison.....	56	1	20	23	5	7	-	-	-	34	22	-
Barber.....	12	-	8	3	-	1	-	-	-	12	-	-
Barton.....	62	-	23	20	13	5	1	-	-	61	1	-
Bourbon.....	29	-	12	12	3	1	1	-	-	28	1	-
Brown.....	36	1	11	17	6	1	-	-	-	20	1	15
Butler.....	100	-	31	37	18	9	4	1	-	97	3	-
Chase.....	7	-	3	3	-	1	-	-	-	7	-	-
Chautauqua...	6	1	-	1	3	-	1	-	-	6	-	-
Cherokee.....	58	1	23	19	7	4	3	1	-	50	1	7
Cheyenne.....	2	-	-	1	-	1	-	-	-	2	-	-
Clark.....	4	-	1	2	1	-	-	-	-	4	-	-
Clay.....	11	-	6	4	1	-	-	-	-	11	-	-
Cloud.....	19	-	10	4	3	1	1	-	-	19	-	-
Coffey.....	12	-	4	5	3	-	-	-	-	12	-	-
Comanche.....	3	-	2	1	-	-	-	-	-	3	-	-
Cowley.....	101	1	40	36	15	6	3	-	-	83	14	4
Crawford.....	84	-	27	36	13	5	3	-	-	79	5	-
Decatur.....	2	-	1	1	-	-	-	-	-	2	-	-
Dickinson....	28	-	8	12	5	3	-	-	-	27	1	-
Doniphan.....	16	-	6	5	3	1	1	-	-	14	1	1
Douglas.....	157	1	42	59	35	16	4	-	-	110	30	17
Edwards.....	6	-	2	1	1	1	1	-	-	6	-	-
Elk.....	9	-	3	5	-	1	-	-	-	9	-	-
Ellis.....	27	-	10	14	2	1	-	-	-	27	-	-
Ellsworth....	4	-	3	1	-	-	-	-	-	4	-	-
Finney.....	142	1	40	53	33	11	4	-	-	125	9	8
Ford.....	112	-	46	40	16	8	2	-	-	99	7	6
Franklin.....	43	-	24	14	3	1	1	-	-	40	1	2
Geary.....	125	1	38	55	19	8	4	-	-	56	66	3
Gove.....	1	-	-	1	-	-	-	-	-	1	-	-
Graham.....	2	-	1	1	-	-	-	-	-	2	-	-
Grant.....	20	-	6	9	2	-	3	-	-	20	-	-
Gray.....	6	-	3	2	-	1	-	-	-	6	-	-
Greeley.....	3	-	2	-	-	1	-	-	-	3	-	-
Greenwood....	17	-	8	4	5	-	-	-	-	17	-	-
Hamilton.....	5	-	2	2	-	-	1	-	-	5	-	-
Harper.....	4	-	-	2	2	-	-	-	-	4	-	-
Harvey.....	49	-	19	18	9	3	-	-	-	47	1	1
Haskell.....	5	-	2	1	-	1	1	-	-	5	-	-
Hodgeman.....	4	-	2	1	1	-	-	-	-	4	-	-
Jackson.....	26	-	12	9	4	1	-	-	-	20	-	6
Jefferson....	19	-	3	10	3	3	-	-	-	17	-	2
Jewell.....	5	-	1	2	1	-	-	1	-	5	-	-
Johnson.....	425	-	141	152	84	32	14	2	-	394	31	-
Kearny.....	13	-	5	5	3	-	-	-	-	13	-	-
Kingman.....	12	-	2	6	1	3	-	-	-	12	-	-
Kiowa.....	4	1	2	1	-	-	-	-	-	4	-	-
Labette.....	59	-	22	27	4	5	1	-	-	45	13	1
Lane.....	3	-	2	-	-	1	-	-	-	3	-	-
Leavenworth..	123	-	53	49	13	4	3	1	-	84	39	-
Lincoln.....	3	-	-	2	-	1	-	-	-	3	-	-
Linn.....	16	-	6	4	5	-	1	-	-	14	2	-
Logan.....	1	-	-	1	-	-	-	-	-	1	-	-

TABLE 14
OUT-OF-WEDLOCK BIRTHS BY AGE-GROUP AND RACE OF MOTHER
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group of Mother								Race of Mother		
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	White	Black	Other Non White
Lyon	94	3	36	34	18	2	1	-	-	81	7	6
Marion	15	-	5	6	3	1	-	-	-	14	1	-
Marshall	10	-	4	2	1	3	-	-	-	10	-	-
McPherson	30	-	10	12	4	4	-	-	-	29	1	-
Meade	7	1	-	4	-	2	-	-	-	5	-	2
Miami	44	1	23	11	6	3	-	-	-	37	6	1
Mitchell	5	-	2	1	-	1	1	-	-	5	-	-
Montgomery	140	3	60	50	18	7	2	-	-	96	40	4
Morris	6	-	4	1	1	-	-	-	-	6	-	-
Morton	9	-	4	5	-	-	-	-	-	9	-	-
Nemaha	5	-	2	2	1	-	-	-	-	5	-	-
Neosho	36	2	14	11	7	-	2	-	-	35	1	-
Ness	3	-	1	1	-	1	-	-	-	3	-	-
Norton	9	-	1	2	6	-	-	-	-	9	-	-
Osage	29	-	12	11	4	1	1	-	-	29	-	-
Osborne	5	-	2	2	-	1	-	-	-	5	-	-
Ottawa	3	-	-	3	-	-	-	-	-	3	-	-
Pawnee	8	-	3	2	1	2	-	-	-	7	1	-
Phillips	4	-	3	1	-	-	-	-	-	4	-	-
Pottawatomie	18	-	8	4	4	1	1	-	-	17	1	-
Pratt	12	-	3	7	2	-	-	-	-	12	-	-
Rawlins	4	-	3	1	-	-	-	-	-	4	-	-
Reno	150	1	58	55	22	10	4	-	-	136	14	-
Republic	4	-	1	1	1	1	-	-	-	4	-	-
Rice	21	-	5	10	2	2	1	1	-	21	-	-
Riley	77	-	23	36	11	6	1	-	-	63	14	-
Rooks	9	-	4	3	2	-	-	-	-	9	-	-
Rush	3	-	1	1	1	-	-	-	-	3	-	-
Russell	12	-	7	2	2	1	-	-	-	11	1	-
Saline	124	1	40	50	23	8	2	-	-	108	11	5
Scott	8	-	2	3	3	-	-	-	-	8	-	-
Sedgwick	1,568	13	576	563	280	99	34	3	-	932	588	48
Seward	101	2	37	32	19	7	4	-	-	59	31	11
Shawnee	557	3	186	206	98	40	21	3	-	367	173	17
Sheridan	4	-	2	1	1	-	-	-	-	4	-	-
Sherman	14	-	8	3	2	-	1	-	-	13	-	1
Smith	2	-	1	-	1	-	-	-	-	2	-	-
Stafford	5	-	4	-	-	1	-	-	-	5	-	-
Stanton	1	-	1	-	-	-	-	-	-	1	-	-
Stevens	6	-	4	2	-	-	-	-	-	6	-	-
Sumner	48	-	19	18	7	3	1	-	-	44	3	1
Thomas	16	-	7	5	2	2	-	-	-	16	-	-
Trego	2	-	1	-	1	-	-	-	-	2	-	-
Wabaunsee	9	-	4	2	3	-	-	-	-	9	-	-
Wallace	4	-	1	1	1	1	-	-	-	4	-	-
Washington	5	-	-	5	-	-	-	-	-	5	-	-
Wichita	3	-	2	1	-	-	-	-	-	3	-	-
Wilson	14	-	7	3	3	1	-	-	-	14	-	-
Woodson	1	-	1	-	-	-	-	-	-	1	-	-
Wyandotte	1,148	15	419	416	207	63	21	5	2	485	649	14

OUT-OF-WEDLOCK BIRTH RATIOS
KANSAS AND THE U.S., 1947-1987



RATIO PER 1,000 LIVE BIRTHS
DATA NOT AVAILABLE FOR 1987
RESIDENCE DATA

Figure 15

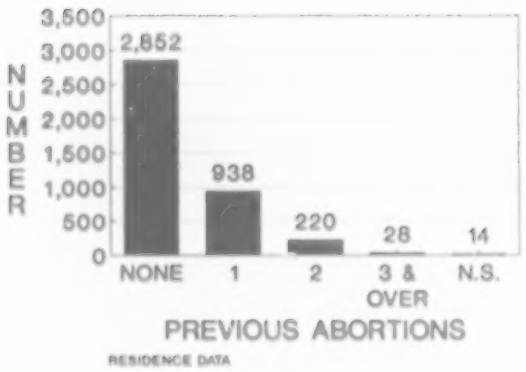
TABLE 15
REPORTED ABORTIONS BY AGE-GROUP OF PATIENT
BY COUNTY OF RESIDENCE
KANSAS, 1987

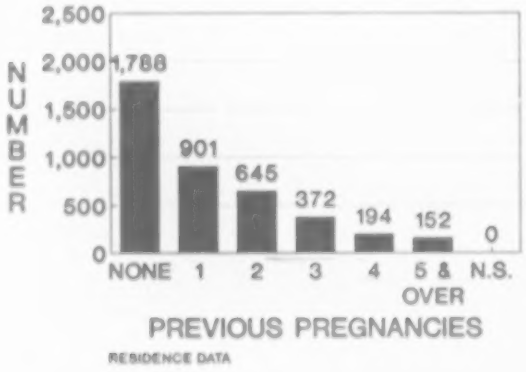
County of Residence	Total	Age-Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	4,052	24	1,183	1,354	788	422	229	48	2	2
Allen.....	14	-	5	-	6	2	1	-	-	-
Anderson.....	13	-	3	4	1	1	2	2	-	-
Atchison.....	26	1	11	9	3	-	1	1	-	-
Barber.....	4	-	3	-	-	1	-	-	-	-
Barton.....	19	-	3	6	6	3	1	-	-	-
Bourbon.....	27	-	10	8	4	1	4	-	-	-
Brown.....	10	-	4	2	1	2	-	1	-	-
Butler.....	31	-	9	13	5	2	2	-	-	-
Chase.....	1	-	-	1	-	-	-	-	-	-
Chautauqua...	5	-	1	1	-	1	2	-	-	-
Cherokee.....	23	-	11	3	2	5	1	1	-	-
Cheyenne.....	-	-	-	-	-	-	-	-	-	-
Clark.....	2	-	-	-	2	-	-	-	-	-
Clay.....	7	-	3	1	1	1	1	-	-	-
Cloud.....	5	-	3	1	1	-	-	-	-	-
Coffey.....	4	-	2	1	-	-	-	1	-	-
Comanche.....	1	-	-	1	-	-	-	-	-	-
Cowley.....	36	1	5	17	7	3	2	1	-	-
Crawford.....	62	-	25	24	7	4	1	1	-	-
Decatur.....	2	-	-	-	-	2	-	-	-	-
Dickinson....	13	-	4	5	4	-	-	-	-	-
Doniphan.....	9	-	4	2	2	1	-	-	-	-
Douglas.....	280	-	72	130	47	17	12	2	-	-
Edwards.....	2	-	1	-	1	-	-	-	-	-
Elk.....	1	-	-	1	-	-	-	-	-	-
Ellis.....	37	-	8	20	2	6	1	-	-	-
Ellsworth....	2	-	-	1	1	-	-	-	-	-
Finney.....	61	1	15	12	17	7	5	3	1	-
Ford.....	27	-	10	6	7	3	1	-	-	-
Franklin.....	26	-	11	7	4	3	-	1	-	-
Geary.....	35	-	7	18	8	2	-	-	-	-
Gove.....	5	-	-	1	3	1	-	-	-	-
Graham.....	1	-	1	-	-	-	-	-	-	-
Grant.....	1	-	1	-	-	-	-	-	-	-
Gray.....	2	-	1	1	-	-	-	-	-	-
Greeley.....	-	-	-	-	-	-	-	-	-	-
Greenwood....	7	-	1	2	2	1	-	1	-	-
Hamilton.....	1	-	-	-	1	-	-	-	-	-
Harper.....	3	-	-	-	3	-	-	-	-	-
Harvey.....	23	-	7	8	3	2	3	-	-	-
Haskell.....	3	-	3	-	-	-	-	-	-	-
Hodgeman.....	-	-	-	-	-	-	-	-	-	-
Jackson.....	20	1	4	6	5	3	-	1	-	-
Jefferson...	14	-	7	3	3	-	-	-	1	-
Jewell.....	1	-	-	-	1	-	-	-	-	-
Johnson.....	978	3	298	295	196	119	57	9	-	1
Kearny.....	3	-	2	-	1	-	-	-	-	-
Kingman.....	5	-	1	3	1	-	-	-	-	-
Kiowa.....	-	-	-	-	-	-	-	-	-	-
Labette.....	24	-	12	4	6	-	2	-	-	-
Lane.....	-	-	-	-	-	-	-	-	-	-
Leavenworth..	112	-	26	44	19	18	4	1	-	-
Lincoln.....	3	-	-	-	2	1	-	-	-	-
Linn.....	9	-	3	2	4	-	-	-	-	-
Logan.....	-	-	-	-	-	-	-	-	-	-

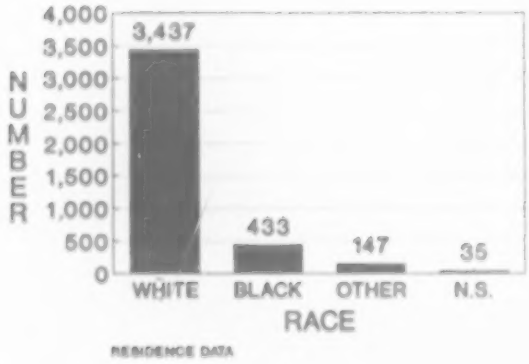
TABLE 15
REPORTED ABORTIONS BY AGE-GROUP OF PATIENT
BY COUNTY OF RESIDENCE
KANSAS, 1987

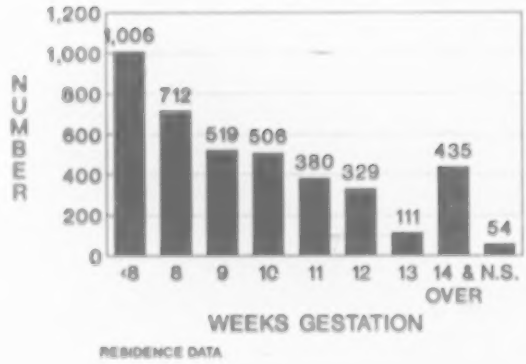
County of Residence	Total	Age-Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon.....	63	1	16	22	19	4	1	-	-	-
Marion.....	5	-	3	1	-	1	-	-	-	-
Marshall.....	4	-	1	1	2	-	-	-	-	-
McPherson....	26	-	10	7	4	2	3	-	-	-
Meade.....	3	-	-	1	2	-	-	-	-	-
Miami.....	26	-	11	8	4	3	-	-	-	-
Mitchell.....	3	-	1	-	1	-	1	-	-	-
Montgomery...	25	1	12	7	2	1	2	-	-	-
Morris.....	7	-	3	1	1	1	1	-	-	-
Morton.....	1	-	-	1	-	-	-	-	-	-
Nemaha.....	5	-	-	1	3	-	1	-	-	-
Neosho.....	18	-	5	4	4	3	1	1	-	-
Ness.....	2	-	1	-	1	-	-	-	-	-
Norton.....	4	-	4	-	-	-	-	-	-	-
Osage.....	16	-	2	5	7	-	2	-	-	-
Osborne.....	3	-	1	2	-	-	-	-	-	-
Ottawa.....	-	-	-	-	-	-	-	-	-	-
Pawnee.....	3	-	-	1	-	1	-	1	-	-
Phillips.....	1	-	-	1	-	-	-	-	-	-
Pottawatomie.	11	-	6	1	2	-	2	-	-	-
Pratt.....	13	-	2	1	3	4	2	1	-	-
Rawlins.....	-	-	-	-	-	-	-	-	-	-
Reno.....	66	2	21	22	11	6	3	1	-	-
Republic.....	2	-	-	-	1	-	-	-	-	1
Rice.....	7	-	1	3	-	2	-	1	-	-
Riley.....	133	2	39	51	23	13	4	1	-	-
Rooks.....	2	-	1	-	1	-	-	-	-	-
Rush.....	1	-	-	1	-	-	-	-	-	-
Russell.....	5	-	-	1	3	1	-	-	-	-
Saline.....	49	-	10	19	10	6	4	-	-	-
Scott.....	2	-	2	-	-	-	-	-	-	-
Sedgwick.....	603	4	154	215	126	62	39	3	-	-
Seward.....	32	1	11	12	4	3	1	-	-	-
Shawnee.....	390	3	115	130	70	41	26	5	-	-
Sheridan.....	1	-	-	-	-	-	1	-	-	-
Sherman.....	-	-	-	-	-	-	-	-	-	-
Smith.....	6	-	2	-	-	3	1	-	-	-
Stafford.....	1	-	-	1	-	-	-	-	-	-
Stanton.....	1	-	1	-	-	-	-	-	-	-
Stevens.....	3	-	1	-	-	1	-	1	-	-
Sumner.....	16	-	8	1	4	1	2	-	-	-
Thomas.....	2	-	1	-	-	-	-	1	-	-
Trego.....	2	-	-	2	-	-	-	-	-	-
Wabaunsee....	6	-	2	1	2	-	1	-	-	-
Wallace.....	-	-	-	-	-	-	-	-	-	-
Washington...	1	-	-	1	-	-	-	-	-	-
Wichita.....	3	-	1	1	-	1	-	-	-	-
Wilson.....	5	-	2	2	1	-	-	-	-	-
Woodson.....	3	-	2	1	-	-	-	-	-	-
Wyandotte....	455	3	129	158	84	49	26	6	-	-
N.S.....	16	-	5	4	4	1	2	-	-	-

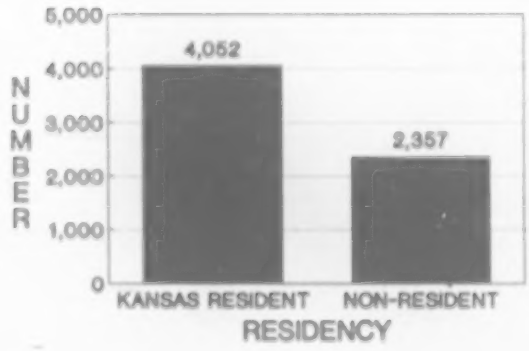
REPORTED INDUCED ABORTIONS
BY SELECTED CHARACTERISTICS
KANSAS, 1987











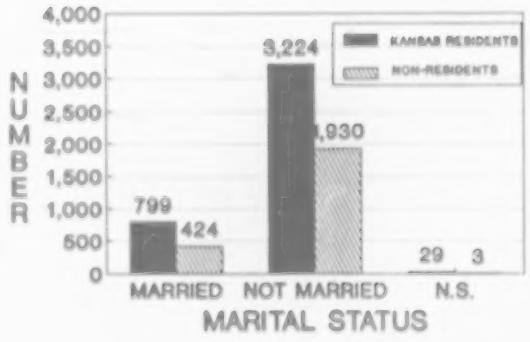
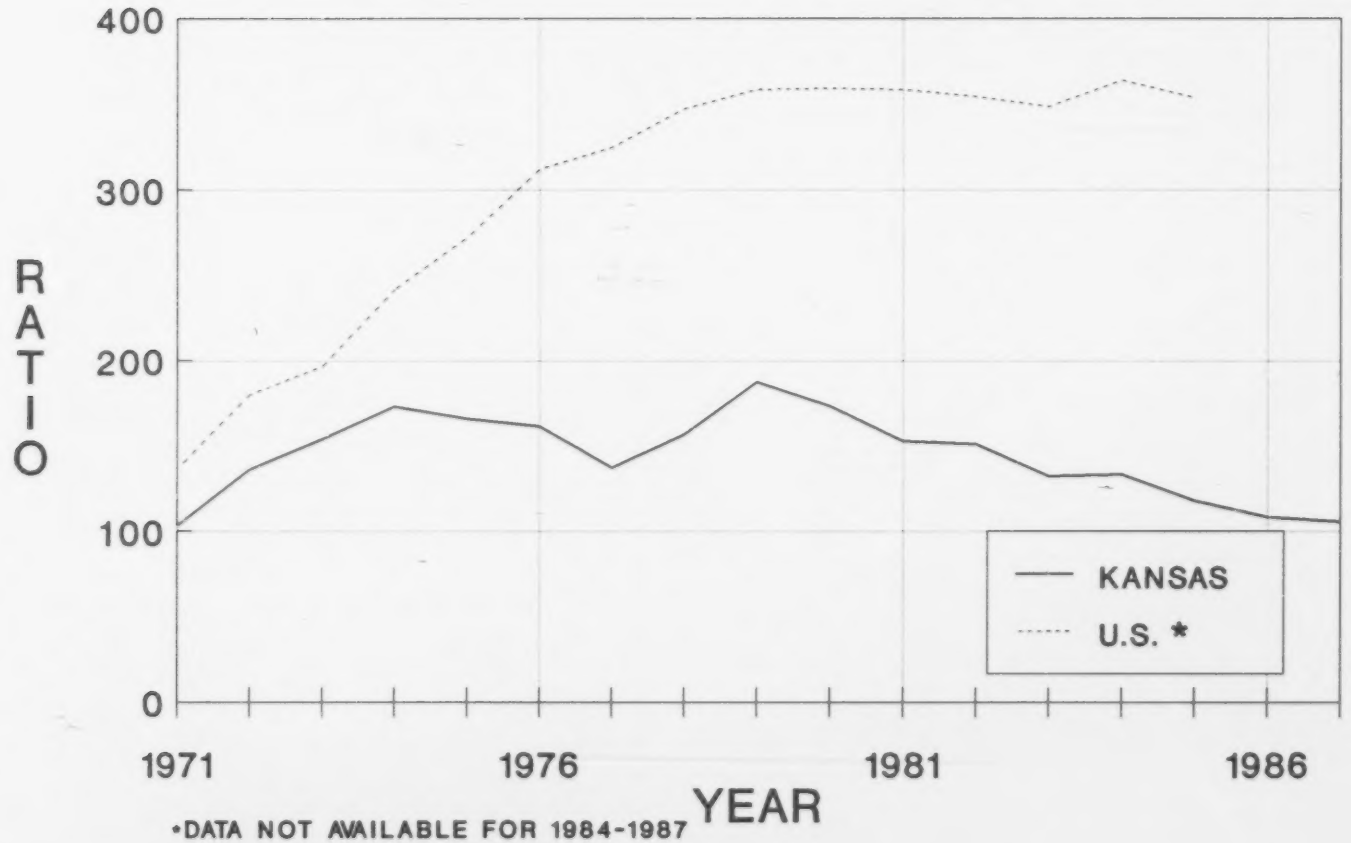


Figure 16

ABORTION RATIOS
KANSAS AND THE U.S., 1971-1987



*DATA NOT AVAILABLE FOR 1984-1987
RATIO PER 1,000 LIVE BIRTHS
RESIDENCE DATA

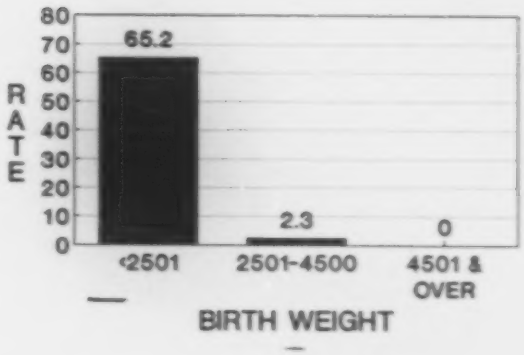
Figure 17

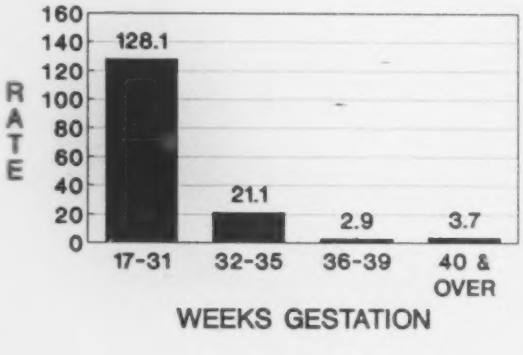
TABLE 16
REPORTED ABORTIONS AND ABORTION RATIOS*
KANSAS AND THE U.S. 1971-1987

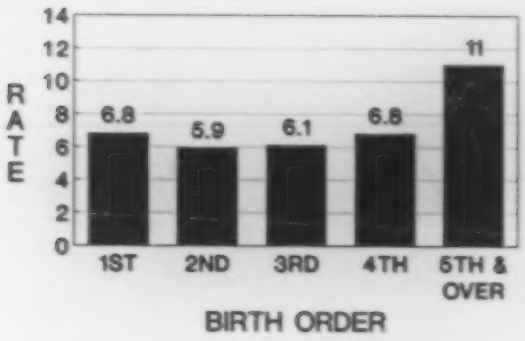
Year	Kansas		U.S.	
	Number	Ratio	Number	Ratio
1971.....	3,709	103.0	485,816	136.6
1972.....	4,512	136.0	586,760	180.1
1973.....	4,917	153.8	615,831	196.3
1974.....	5,657	172.9	763,476	241.6
1975.....	5,581	165.6	854,853	271.9
1976.....	5,686	161.2	988,267	312.0
1977.....	5,045	137.0	1,079,430	324.5
1978.....	5,722	156.4	1,157,776	347.3
1979.....	7,281	187.1	1,251,921	358.3
1980.....	7,038	173.0	1,297,606	359.2
1981.....	6,291	152.7	1,300,760	358.4
1982.....	6,153	151.0	1,303,980	354.3
1983.....	5,329	132.0	1,268,987	348.7
1984.....	5,319	133.1	1,333,521	364.1
1985.....	4,645	117.8	1,328,570	353.8
1986.....	4,245	108.4	n.a.	n.a.
1987.....	4,052	105.4	n.a.	n.a.

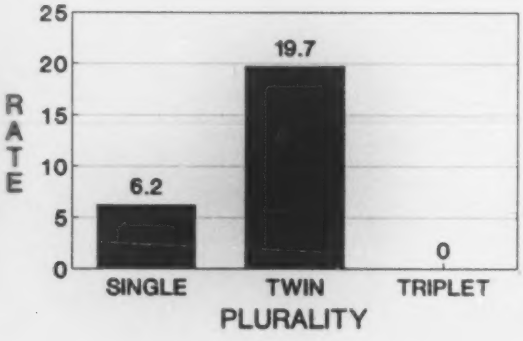
*Ratio per 1,000 live births
Source for U.S. data: Centers for Disease Control
Morbidity and Mortality Weekly Report, November, 1988
Residence data

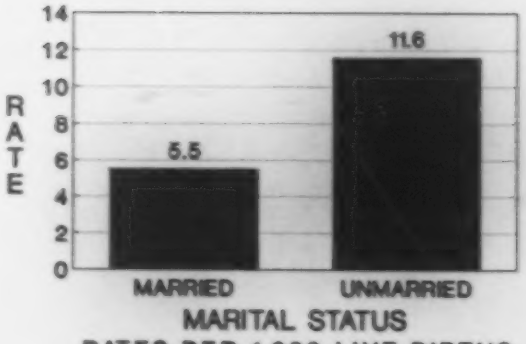
FETAL DEATH RATES
BY SELECTED CHARACTERISTICS
KANSAS, 1987

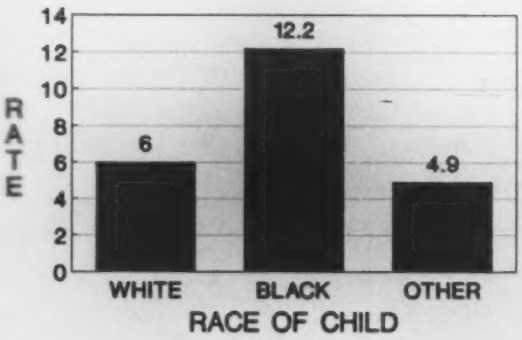












RATES PER 1,000 LIVE BIRTHS
RESIDENCE DATA

Figure 18

TABLE 17
FETAL DEATHS BY AGE-GROUP OF MOTHER
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	253	3	43	75	69	42	17	3	-	1
Allen.....	2	-	-	-	1	-	-	1	-	-
Anderson.....	-	-	-	-	-	-	-	-	-	-
Atchison.....	2	-	1	1	-	-	-	-	-	-
Barber.....	1	-	1	-	-	-	-	-	-	-
Barton.....	5	-	-	5	-	-	-	-	-	-
Bourbon.....	1	-	-	1	-	-	-	-	-	-
Brown.....	2	-	1	-	1	-	-	-	-	-
Butler.....	2	-	-	-	2	-	-	-	-	-
Chase.....	-	-	-	-	-	-	-	-	-	-
Chautauqua...	-	-	-	-	-	-	-	-	-	-
Cherokee.....	3	-	1	1	1	-	-	-	-	-
Cheyenne.....	-	-	-	-	-	-	-	-	-	-
Clark.....	-	-	-	-	-	-	-	-	-	-
Clay.....	-	-	-	-	-	-	-	-	-	-
Cloud.....	1	-	-	1	-	-	-	-	-	-
Coffey.....	-	-	-	-	-	-	-	-	-	-
Comanche.....	-	-	-	-	-	-	-	-	-	-
Cowley.....	6	-	1	3	1	-	1	-	-	-
Crawford.....	2	-	1	-	1	-	-	-	-	-
Decatur.....	-	-	-	-	-	-	-	-	-	-
Dickinson....	1	-	-	1	-	-	-	-	-	-
Doniphan.....	-	-	-	-	-	-	-	-	-	-
Douglas.....	6	-	1	1	1	2	1	-	-	-
Edwards.....	-	-	-	-	-	-	-	-	-	-
Elk.....	1	-	-	1	-	-	-	-	-	-
Ellis.....	-	-	-	-	-	-	-	-	-	-
Ellsworth....	-	-	-	-	-	-	-	-	-	-
Finney.....	3	1	-	1	-	1	-	-	-	-
Ford.....	2	-	1	1	-	-	-	-	-	-
Franklin.....	4	-	1	1	-	2	-	-	-	-
Geary.....	8	1	1	2	3	1	-	-	-	-
Gove.....	-	-	-	-	-	-	-	-	-	-
Graham.....	-	-	-	-	-	-	-	-	-	-
Grant.....	3	-	1	-	-	2	-	-	-	-
Gray.....	1	-	-	1	-	-	-	-	-	-
Greeley.....	-	-	-	-	-	-	-	-	-	-
Greenwood....	-	-	-	-	-	-	-	-	-	-
Hamilton.....	-	-	-	-	-	-	-	-	-	-
Harper.....	-	-	-	-	-	-	-	-	-	-
Harvey.....	-	-	-	-	-	-	-	-	-	-
Haskell.....	-	-	-	-	-	-	-	-	-	-
Hodgeman.....	-	-	-	-	-	-	-	-	-	-
Jackson.....	1	-	-	1	-	-	-	-	-	-
Jefferson....	-	-	-	-	-	-	-	-	-	-
Jewell.....	-	-	-	-	-	-	-	-	-	-
Johnson.....	25	-	1	5	11	5	3	-	-	-
Kearny.....	1	-	-	-	1	-	-	-	-	-
Kingman.....	-	-	-	-	-	-	-	-	-	-
Kiowa.....	-	-	-	-	-	-	-	-	-	-
Labette.....	2	-	-	2	-	-	-	-	-	-
Lane.....	-	-	-	-	-	-	-	-	-	-
Leavenworth..	10	-	2	4	1	3	-	-	-	-
Lincoln.....	-	-	-	-	-	-	-	-	-	-
Linn.....	-	-	-	-	-	-	-	-	-	-
Logan.....	-	-	-	-	-	-	-	-	-	-

TABLE 17 (cont.)
FETAL DEATHS BY AGE-GROUP OF MOTHER
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon.....	8	-	2	2	3	-	1	-	-	-
Marion.....	1	-	-	1	-	-	-	-	-	-
Marshall.....	2	-	1	1	-	-	-	-	-	-
McPherson....	1	-	-	1	-	-	-	-	-	-
Meade.....	1	-	-	1	-	-	-	-	-	-
Miami.....	1	-	-	-	-	-	-	1	-	-
Mitchell.....	1	-	-	-	1	-	-	-	-	-
Montgomery...	4	-	1	2	1	-	-	-	-	-
Morris.....	1	-	-	1	-	-	-	-	-	-
Morton.....	-	-	-	-	-	-	-	-	-	-
Nemaha.....	2	-	1	1	-	-	-	-	-	-
Neosho.....	-	-	-	-	-	-	-	-	-	-
Ness.....	-	-	-	-	-	-	-	-	-	-
Norton.....	1	-	-	-	1	-	-	-	-	-
Osage.....	-	-	-	-	-	-	-	-	-	-
Osborne.....	-	-	-	-	-	-	-	-	-	-
Ottawa.....	-	-	-	-	-	-	-	-	-	-
Pawnee.....	1	-	-	-	1	-	-	-	-	-
Phillips.....	1	-	1	-	-	-	-	-	-	-
Pottawatomie.	-	-	-	-	-	-	-	-	-	-
Pratt.....	1	-	-	-	-	1	-	-	-	-
Rawlins.....	-	-	-	-	-	-	-	-	-	-
Reno.....	1	-	-	-	1	-	-	-	-	-
Republic.....	-	-	-	-	-	-	-	-	-	-
Rice.....	1	-	-	-	1	-	-	-	-	-
Riley.....	4	-	-	1	3	-	-	-	-	-
Rooks.....	-	-	-	-	-	-	-	-	-	-
Rush.....	-	-	-	-	-	-	-	-	-	-
Russell.....	-	-	-	-	-	-	-	-	-	-
Saline.....	6	-	-	3	1	1	1	-	-	-
Scott.....	-	-	-	-	-	-	-	-	-	-
Sedgwick.....	50	-	8	11	17	10	4	-	-	-
Seward.....	5	-	1	3	1	-	-	-	-	-
Shawnee.....	23	-	3	5	6	4	3	1	-	1
Sheridan.....	-	-	-	-	-	-	-	-	-	-
Sherman.....	2	-	1	-	-	1	-	-	-	-
Smith.....	-	-	-	-	-	-	-	-	-	-
Stafford.....	1	-	-	-	-	1	-	-	-	-
Stanton.....	-	-	-	-	-	-	-	-	-	-
Stevens.....	1	-	-	1	-	-	-	-	-	-
Sumner.....	3	-	-	1	1	1	-	-	-	-
Thomas.....	3	-	-	1	-	1	1	-	-	-
Trego.....	-	-	-	-	-	-	-	-	-	-
Wabaunsee....	1	-	-	-	1	-	-	-	-	-
Wallace.....	-	-	-	-	-	-	-	-	-	-
Washington...	-	-	-	-	-	-	-	-	-	-
Wichita.....	1	-	-	-	-	-	1	-	-	-
Wilson.....	-	-	-	-	-	-	-	-	-	-
Woodson.....	-	-	-	-	-	-	-	-	-	-
Wyandotte....	30	1	10	6	6	6	1	-	-	-

TABLE 18
PERINATAL PERIOD III DEATHS BY COMPONENT
KANSAS, SELECTED YEARS, 1957-1987

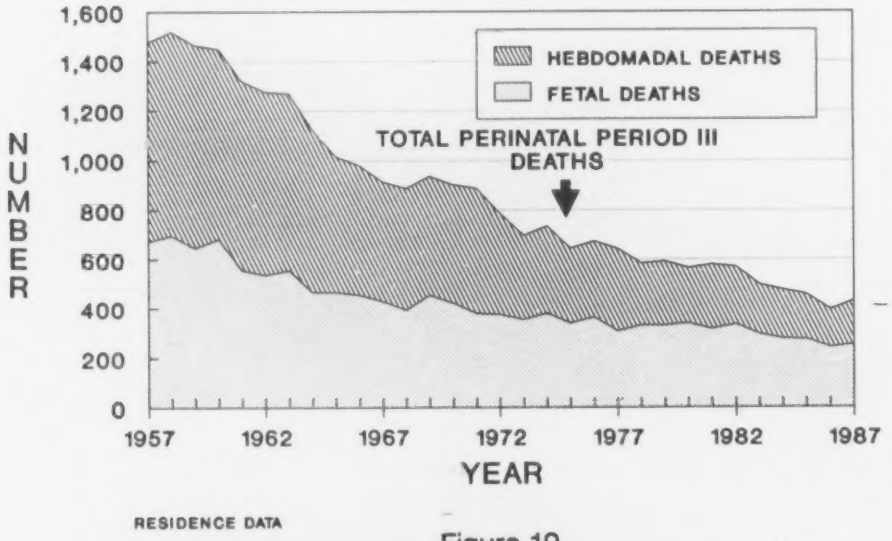
Year	Fetal Deaths*	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate**
1987.....	253	179	432	11.2
1986.....	242	153	395	10.0
1985.....	274	184	458	11.5
1984.....	277	200	477	11.9
1983.....	296	202	498	12.2
1982.....	336	234	570	13.9
1981.....	316	264	580	14.0
1980.....	340	226	566	13.8
1979.....	330	260	590	15.0
1978.....	331	254	585	15.8
1977.....	308	335	643	17.3
1976.....	364	310	674	18.9
1975.....	341	304	645	18.9
1974.....	379	354	733	22.2
1973.....	355	342	697	21.6
1972.....	375	410	785	23.4
1967.....	430	482	912	25.8
1962.....	538	737	1,275	25.9
1957.....	672	806	1,478	27.5

*Criteria for reporting fetal deaths changed from twenty weeks gestation to a fetal weight of more than 350 grams in 1963.
**Rate per 1,000 total births
Residence data

TABLE 19
PERINATAL PERIOD III DEATHS BY COMPONENT
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Perinatal Period III Deaths		County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths			Fetal Deaths	Hebdomadal Deaths
Kansas.....	432	253	179				
Allen.....	3	2	1	Lyon.....	8	8	-
Anderson.....	-	-	-	Marion.....	2	1	1
Atchison.....	4	2	2	Marshall.....	2	2	-
Barber.....	1	1	-	McPherson....	2	1	1
Barton.....	6	5	1	Meade.....	1	1	-
Bourbon.....	2	1	1	Miami.....	1	1	-
Brown.....	3	2	1	Mitchell.....	1	1	-
Butler.....	4	2	2	Montgomery...	8	4	4
Chase.....	-	-	-	Morris.....	1	1	-
Chautauqua...	-	-	-	Morton.....	-	-	-
Cherokee.....	4	3	1	Nemaha.....	2	2	-
Cheyenne.....	-	-	-	Neosho.....	-	-	-
Clark.....	-	-	-	Ness.....	-	-	-
Clay.....	-	-	-	Norton.....	1	1	-
Cloud.....	1	1	-	Osage.....	-	-	-
Coffey.....	1	-	1	Osborne.....	2	-	2
Comanche.....	1	-	1	Ottawa.....	-	-	-
Cowley.....	7	6	1	Pawnee.....	2	1	1
Crawford.....	3	2	1	Phillips.....	1	1	-
Decatur.....	-	-	-	Pottawatomie.	1	-	1
Dickinson....	2	1	1	Pratt.....	1	1	-
Doniphan.....	-	-	-	Rawlins.....	-	-	-
Douglas.....	8	6	2	Reno.....	9	1	8
Edwards.....	-	-	-	Republic.....	1	-	1
Elk.....	1	1	-	Rice.....	1	1	-
Ellis.....	1	-	1	Riley.....	7	4	3
Ellsworth....	-	-	-	Rooks.....	-	-	-
Finney.....	5	3	2	Rush.....	-	-	-
Ford.....	4	2	2	Russell.....	1	-	1
Franklin.....	5	4	1	Saline.....	7	6	1
Geary.....	15	8	7	Scott.....	-	-	-
Gove.....	-	-	-	Sedgwick.....	91	50	41
Graham.....	-	-	-	Seward.....	6	5	1
Grant.....	4	3	1	Shawnee.....	43	23	20
Gray.....	2	1	1	Sheridan.....	1	-	1
Greeley.....	-	-	-	Sherman.....	4	2	2
Greenwood....	-	-	-	Smith.....	-	-	-
Hamilton.....	2	-	2	Stafford.....	1	1	-
Harper.....	1	-	1	Stanton.....	1	-	1
Harvey.....	1	-	1	Stevens.....	1	1	-
Haskell.....	-	-	-	Sumner.....	3	3	-
Hodgeman.....	-	-	-	Thomas.....	3	3	-
Jackson.....	1	1	-	Trego.....	-	-	-
Jefferson....	1	-	1	Wabaunsee....	2	1	1
Jewell.....	-	-	-	Wallace.....	-	-	-
Johnson.....	50	25	25	Washington...	1	-	1
Kearny.....	2	1	1	Wichita.....	1	1	-
Kingman.....	-	-	-	Wilson.....	1	-	1
Kiowa.....	1	-	1	Woodson.....	-	-	-
Labette.....	5	2	3	Wyandotte....	45	30	15
Lane.....	-	-	-				
Leavenworth..	15	10	5				
Lincoln.....	-	-	-				
Linn.....	-	-	-				
Logan.....	-	-	-				

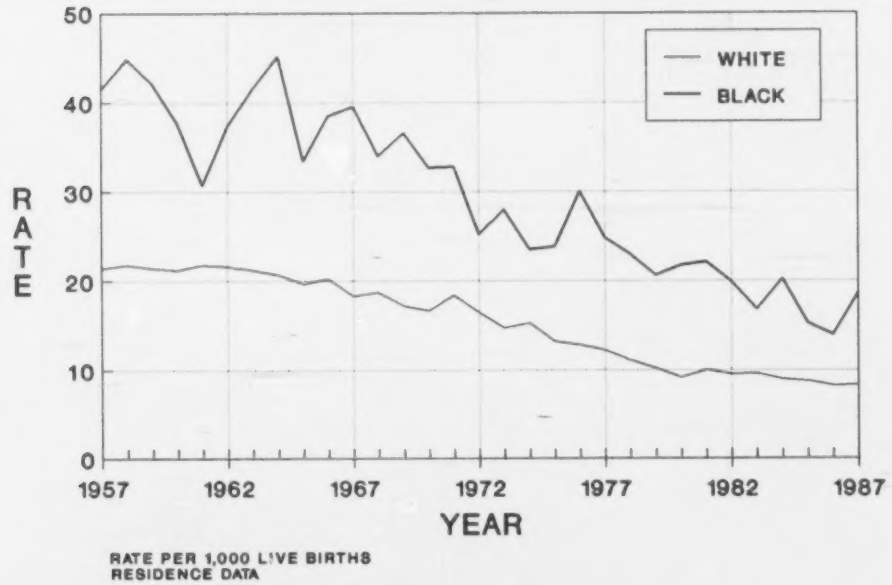
PERINATAL PERIOD III DEATHS
BY COMPONENT
KANSAS, SELECTED YEARS, 1957-1987



RESIDENCE DATA

Figure 19

INFANT DEATH RATES BY RACE
KANSAS, 1957-1987



RATE PER 1,000 LIVE BIRTHS
RESIDENCE DATA

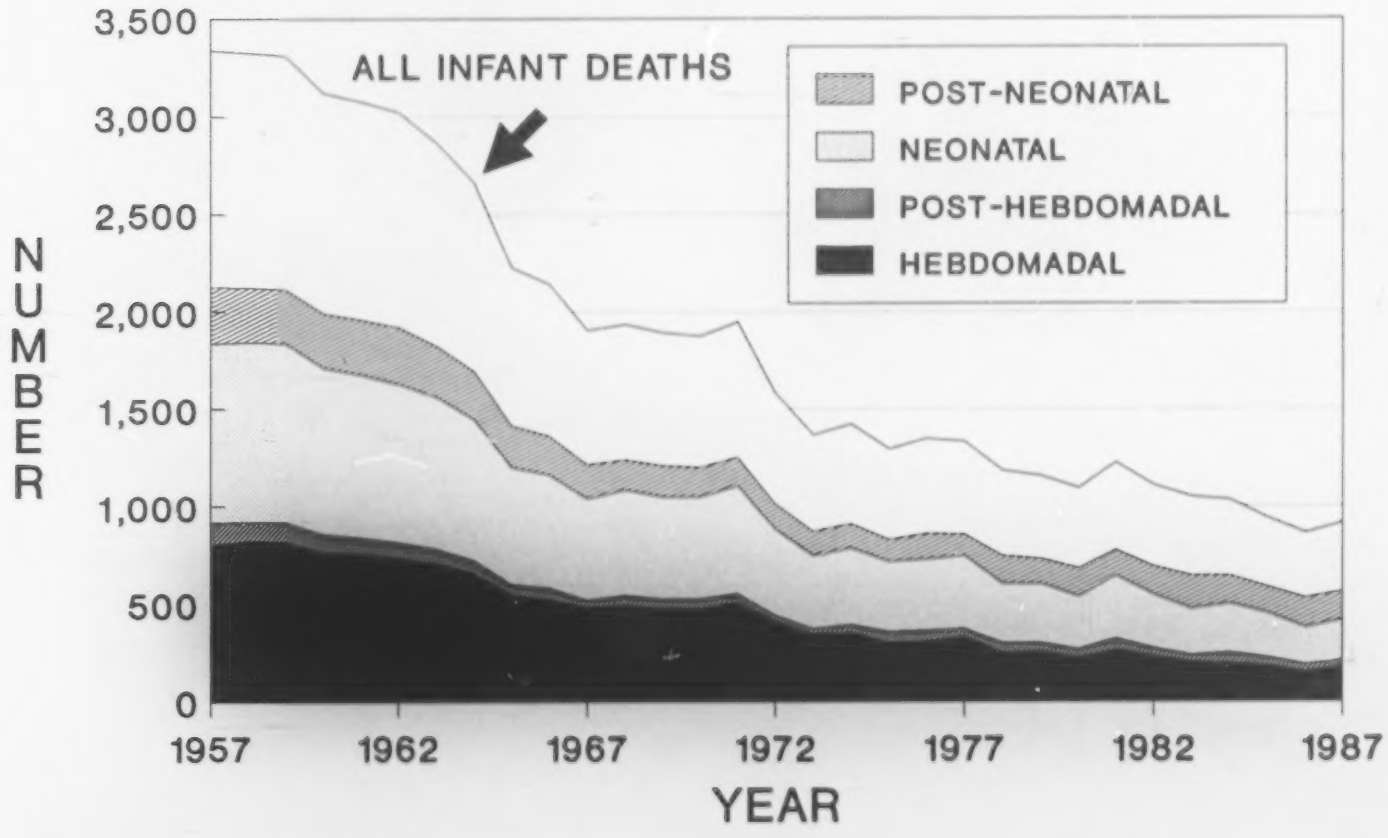
Figure 20

TABLE 20
INFANT DEATHS BY CAUSE OF DEATH AND AGE-GROUP OF INFANT
KANSAS, 1987

Cause of Death (ICD Code)	Age-Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days[a]	7-27 Days	Under 28 Days[b]	28-364 Days	Under 1 Year
All Causes	125	54	179	29	208	145	353
Infectious and Parasitic Diseases (001-139)	-	-	-	-	-	4	4
Other Diseases and Disorders (140-739)	1	3	4	3	7	39	46
Congenital Anomalies (740-759)	31	21	52	7	59	28	87
Certain Conditions Originating in the Perinatal Period (760-779)	93	30	123	17	140	7	147
•Maternal Conditions of Pregnancy and Childbirth (760-761,763-764)	16	4	20	-	20	-	20
•Complications of Placenta, Cord and Membranes (762)	11	-	11	1	12	-	12
•Immaturity (765)	29	-	29	1	30	1	31
•Birth Trauma (767)	-	2	2	1	3	-	3
•Hypoxia and Birth Asphyxia (768)	6	1	7	2	9	-	9
•Respiratory Distress Syndrome and Other Respiratory Conditions (769-770)	15	14	29	4	33	6	39
•Infections Specific to the Perinatal Period (771)	3	3	6	5	11	-	11
•Fetal and Neonatal Hemorrhage (772)	-	4	4	1	5	-	5
•Other (773-779)	13	2	15	2	17	-	17
Symptoms and Ill-defined Conditions (780-799)	-	-	-	1	1	52	53
•Sudden Infant Death Syndrome (798)	-	-	-	1	1	51	52
•Other (780-797, 799)	-	-	-	-	-	1	1
External Causes of Injury and Poisoning (E800-E999)	-	-	-	1	1	15	16

a/Hebdomadal Deaths
b/Neonatal Deaths
Residence data

INFANT DEATHS BY COMPONENT
KANSAS, SELECTED YEARS, 1957-1987



RESIDENCE DATA

Figure 21

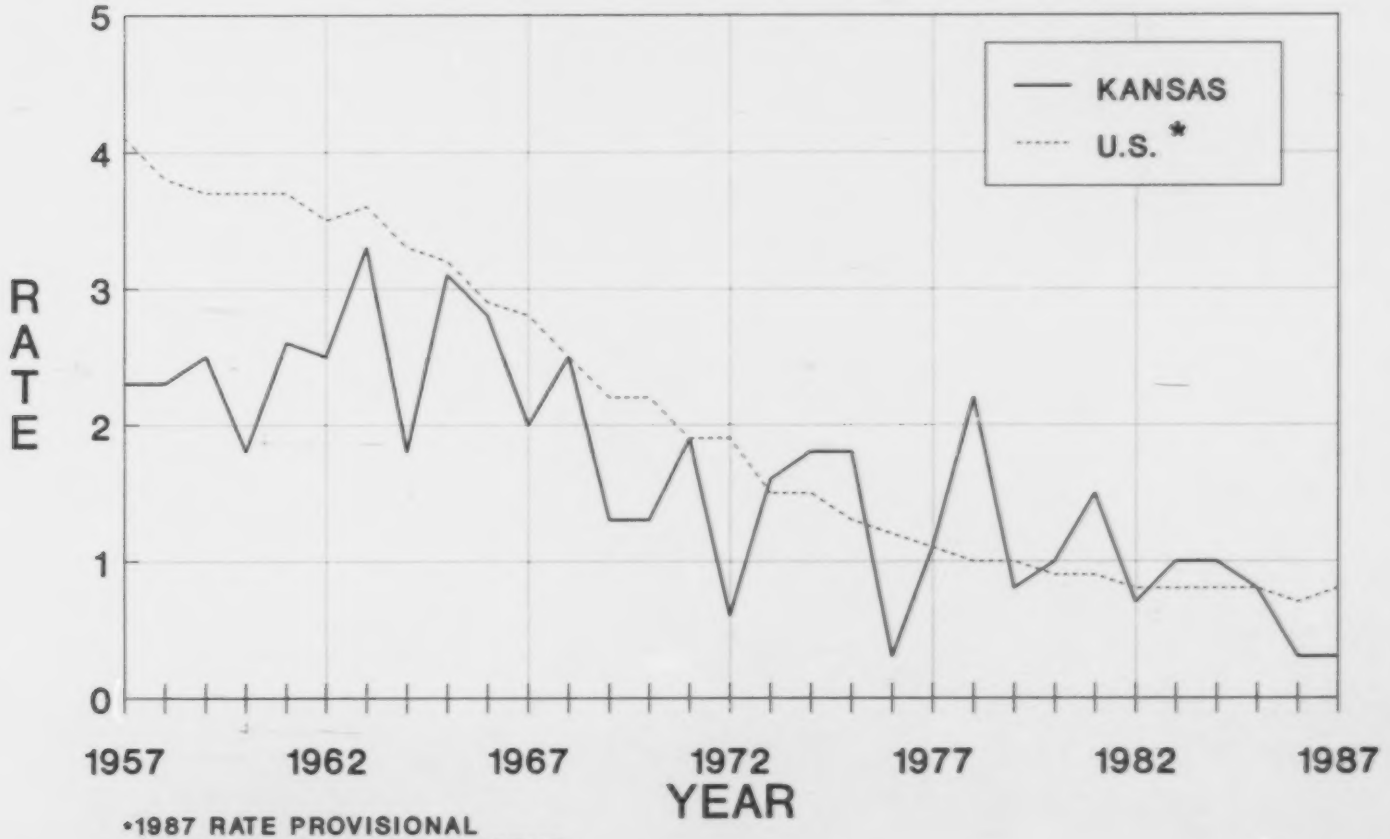
TABLE 21
INFANT DEATHS BY COMPONENT
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 Days	7-27 Days	Under 28 Days	28-364 Days	Under 1 Year
Kansas	179	29	208	145	353
Allen	1	1	2	2	4
Anderson	-	-	-	1	1
Atchison	2	-	2	1	3
Barber	-	-	-	-	-
Barton	1	1	2	3	5
Bourbon	1	1	2	2	4
Brown	1	-	1	1	2
Butler	2	1	3	4	7
Chase	-	-	-	-	-
Chautauqua	-	-	-	-	-
Cherokee	1	-	1	1	2
Cheyenne	-	-	-	-	-
Clark	-	-	-	-	-
Clay	-	-	-	-	-
Cloud	-	1	1	-	1
Coffey	1	-	1	-	1
Comanche	1	-	1	-	1
Cowley	1	-	1	5	6
Crawford	1	1	2	-	2
Decatur	-	-	-	-	-
Dickinson	1	-	1	-	1
Doniphan	-	-	-	-	-
Douglas	2	-	2	3	5
Edwards	-	-	-	-	-
Elk	-	-	-	-	-
Ellis	1	-	1	-	1
Ellsworth	-	-	-	-	-
Finney	2	-	2	2	4
Ford	2	-	2	-	2
Franklin	1	-	1	1	2
Geary	7	2	9	4	13
Gove	-	-	-	-	-
Graham	-	-	-	-	-
Grant	1	-	1	1	2
Gray	1	-	1	-	1
Greeley	-	-	-	-	-
Greenwood	-	-	-	1	1
Hamilton	2	-	2	1	3
Harper	1	-	1	1	2
Harvey	1	-	1	-	1
Haskell	-	-	-	-	-
Hodgeman	-	-	-	-	-
Jackson	-	-	-	-	-
Jefferson	1	-	1	-	1
Jewell	-	-	-	-	-
Johnson	25	2	27	15	42
Kearny	1	-	1	1	2
Kingman	-	-	-	-	-
Kiowa	1	-	1	1	2
Labette	3	1	4	-	4
Lane	-	-	-	1	1
Leavenworth	5	1	6	6	12
Lincoln	-	-	-	-	-
Linn	-	-	-	1	1
Logan	-	-	-	-	-

TABLE 21 (cont.)
INFANT DEATHS BY COMPONENT
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 Days	7-27 Days	Under 28 Days	28-364 Days	Under 1 Year
Lyon	-	1	1	3	4
Marion	1	-	1	-	1
Marshall	-	-	-	1	1
McPherson	1	-	1	-	1
Meade	-	-	-	-	-
Miami	-	-	-	1	1
Mitchell	-	-	-	1	1
Montgomery	4	1	5	3	8
Morris	-	-	-	1	1
Morton	-	-	-	-	-
Nemaha	-	-	-	-	-
Neosho	-	-	-	-	-
Ness	-	-	-	-	-
Norton	-	-	-	-	-
Osage	-	-	-	-	-
Osborne	2	-	2	1	3
Ottawa	-	-	-	1	1
Pawnee	1	-	1	1	2
Phillips	-	-	-	-	-
Pottawatomie	1	-	1	-	1
Pratt	-	-	-	-	-
Rawlins	-	-	-	-	-
Reno	8	3	11	4	15
Republic	1	-	1	1	2
Rice	-	-	-	-	-
Riley	3	-	3	1	4
Rooks	-	1	1	-	1
Rush	-	-	-	-	-
Russell	1	-	1	1	2
Saline	1	2	3	5	8
Scott	-	-	-	1	1
Sedgwick	41	4	45	30	75
Seward	1	-	1	1	2
Shawnee	20	2	22	10	32
Sheridan	1	-	1	-	1
Sherman	2	-	2	-	2
Smith	-	-	-	1	1
Stafford	-	-	-	1	1
Stanton	1	-	1	-	1
Stevens	-	-	-	-	-
Sumner	-	-	-	1	1
Thomas	-	-	-	-	-
Trego	-	-	-	-	-
Wabaunsee	1	-	1	-	1
Wallace	-	-	-	-	-
Washington	1	-	1	1	2
Wichita	-	-	-	-	-
Wilson	1	-	1	-	1
Woodson	-	-	-	-	-
Wyandotte	15	3	18	15	33

MATERNAL MORTALITY RATES
KANSAS AND THE U.S., 1957-1987



*1987 RATE PROVISIONAL
RATE PER 10,000 LIVE BIRTHS
RESIDENCE DATA

Figure 22

Deaths

DEATH HIGHLIGHTS

- There were 21,995 resident deaths recorded in Kansas during 1987, a decrease of 0.6 percent from the 1986 total of 22,133. (Table 22)

- Elk, Chautauqua and Jewell Counties had the highest 5-year county death rates of 17.0, 16.5 and 16.0 deaths per 1,000 population respectively. (Table 22)

- Riley County had the lowest county death rate in 1987, 4.1 deaths per 1,000 population, while Smith County had the highest, 18.0 deaths per 1,000 population. Andover had the lowest city death rate in 1987, 3.0 deaths per 1,000 population, while Garnett had the highest rate of 22.0 deaths per 1,000 population. (Tables 22 and 23, Figure 23)

- The Kansas death rate in 1987 was 8.9 deaths per 1,000 population, which was higher than the estimated U.S. rate of 8.7 deaths per 1,000 population. (Figure 24)

- Between 1980 and 1987, age-specific death rates for both sexes combined have declined for all age-groups. (Table 24)

- The Kansas age-adjusted death rate was below that of the U.S. between 1980 and 1987. The 1987 Kansas rate of 4.9 deaths per 1,000 standard population is 9.3 percent lower than the estimated age-adjusted death rate of 5.4 for the U.S. (Table 25, Figure 25)

- The average age at death of Kansas residents in 1987 was 72.5 years. Fifty-nine counties had an average age at death of 75 years or more. (Figure 26, Table 26)

- Ninety-five (94.6) percent of the Kansas decedents in 1987 were white, 4.9 percent were black, and less than one percent were of other races. (Tables 27 and 28)

- The average age at death for the white population was 73.1 years, more than eleven years older than that of the black population, whose average age at death was 61.8 years. (Table 27)

- The two leading causes of death in Kansas, heart disease and malignant neoplasms, had average ages at death of 77.7 and 70.1 years, respectively. Atherosclerosis, with an average age at death of 85.8 years, had the highest average age at death of any of the leading causes of death. (Tables 29 and 30)

- The average age at death for female accident victims (54.8 years of age) was more than 13 years greater than that for males who died accidently (41.2 years of age). (Table 30)

- The cause-specific death rate for suicides in Kansas was 13.6 deaths per 100,000 population in 1987. The rate for males (22.6) was 5 times the rate for females (4.9). (Table 30)

DEATH HIGHLIGHTS (Cont.)

- The incidence of terminal cancer was higher for men than for women, as evidenced by the death rates of 205.7 cancer deaths per 100,000 population for males and 166.1 cancer deaths per 100,000 population for females. (Table 30)

- The Kansas homicide and legal intervention rate was 4.6 deaths per 100,000 population in 1987, 43.9 percent lower than the estimated national rate of 8.2 deaths per 100,000 population. (Table 31)

- Heart disease, cancer, cerebrovascular disease and accidents were the four leading causes of death among Kansans in 1987. (Figure 27)

- Heart disease, the number one cause of death in Kansas, reached a high of 393.4 deaths per 1,000 population in 1973 and gradually declined to 319.4 deaths per 1,000 population in 1987. (Figure 27)

- In 1987, accidents were the most frequent cause of death for victims between 1 and 44 years of age. (Figure 28)

- The most prevalent type of heart disease was ischemic heart disease, which claimed 69.0 percent of all heart disease victims in 1987. (Table 32)

- Nearly thirty (29.7) percent of cancer victims were between 65 and 74 years of age and the sex distribution of those victims was 54.4 percent males and 45.6 percent females. (Table 33)

- One form of cerebrovascular disease, acute but ill-defined causes, accounted for 59.2 percent of all cerebrovascular deaths. (Table 34)

- Motor-vehicle accidents, the most prevalent type of fatal accident, accounted for more than half (52.3 percent) of the total accidental deaths in 1987. (Table 35)

- Chronic obstructive pulmonary diseases and allied conditions, which (with the exception of asthma) are causally related to smoking, claimed 919 lives and was the fifth leading cause of death in 1987. (Table 36)

- Only 312 deaths were attributed to atherosclerosis in 1987; yet, 944 of the leading underlying causes listed atherosclerosis as a contributing factor. (Table 37)

- Over eighteen (18.1) percent of the accident victims, 21.7 percent of those who committed suicide and 24.6 percent of deaths due to homicide and legal intervention were employed as operators, fabricators and laborers. (Table 38)

- The professional services industry employed the highest percentage (10.8) of 1987 Kansas decedents. (Table 39)

TABLE 22
DEATHS BY NUMBER AND RATE*
BY COUNTY OF RESIDENCE
KANSAS, 1983-1987

County of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Kansas	21,816	9.0	22,184	9.1	21,808	8.9	22,133	9.0	21,995	8.9	9.0
Allen	182	11.4	186	11.5	195	12.3	184	11.7	197	12.9	11.9
Anderson	131	14.9	114	13.0	122	14.5	97	11.8	118	14.4	13.7
Atchison	211	11.6	214	11.8	211	11.7	199	11.1	201	11.4	11.5
Barber	84	12.0	88	12.4	64	9.1	98	14.2	78	11.8	11.9
Barton	311	9.4	340	10.3	316	9.6	302	9.2	302	9.6	9.6
Bourbon	248	15.5	227	14.3	190	12.1	195	12.5	179	11.6	13.2
Brown	174	14.7	170	14.5	154	13.4	178	15.8	164	14.5	14.6
Butler	358	7.6	388	8.2	367	7.7	384	8.0	393	8.0	7.9
Chase	40	12.5	41	12.4	54	16.9	54	17.4	30	10.0	13.8
Chautauqua	81	15.9	76	15.2	91	19.0	81	17.6	68	14.8	16.5
Cherokee	274	12.3	320	14.3	248	11.1	297	13.4	280	12.6	12.7
Cheyenne	49	13.2	55	14.9	41	11.4	49	13.6	43	12.3	13.1
Clark	41	15.2	36	13.3	38	14.1	26	10.0	42	16.2	13.7
Clay	131	13.5	141	14.7	120	12.8	143	15.4	116	12.5	13.8
Cloud	163	13.3	191	15.7	163	13.7	165	14.1	164	14.3	14.2
Coffey	102	10.2	100	10.1	113	12.2	105	11.8	124	13.8	11.6
Comanche	41	15.8	29	11.2	38	15.2	41	16.4	35	14.6	14.6
Cowley	435	11.7	456	12.2	395	10.6	416	11.2	397	10.8	11.3
Crawford	514	13.4	506	13.2	446	11.8	442	11.8	485	13.0	12.6
Decatur	42	9.1	57	12.4	62	13.8	59	13.7	64	15.2	12.9
Dickinson	257	12.9	224	11.2	248	12.5	233	11.8	267	13.4	12.3
Doniphan	98	10.8	107	11.8	96	10.5	100	11.0	99	11.0	11.0
Douglas	364	5.2	377	5.4	428	6.0	416	5.7	413	5.5	5.6
Edwards	49	11.7	54	13.2	64	15.6	53	13.3	45	11.5	13.0
Elk	75	19.7	68	18.4	53	14.3	66	18.3	52	14.4	17.0
Ellis	201	7.2	190	6.8	189	6.8	184	6.6	160	5.9	6.7
Ellsworth	104	16.0	90	13.8	86	13.7	109	17.3	76	12.5	14.7
Finney	151	5.3	169	5.8	175	5.9	164	5.4	147	4.8	5.5
Ford	209	8.2	247	9.5	210	8.0	213	8.1	214	8.1	8.4
Franklin	250	11.3	248	11.1	231	10.4	220	10.0	251	11.3	10.8
Geary	206	6.7	207	6.8	201	6.5	195	6.3	192	6.4	6.5
Gove	30	8.1	32	8.6	41	11.4	32	9.1	38	11.2	9.7
Graham	53	12.6	38	9.3	40	9.8	33	8.3	32	8.4	9.7
Grant	42	6.1	35	5.1	52	7.6	46	6.7	55	8.1	6.7
Gray	46	8.7	43	8.1	38	7.2	35	6.5	38	7.0	7.5
Greeley	13	6.8	28	15.6	12	6.7	16	8.9	14	7.8	9.1
Greenwood	145	16.5	140	16.1	111	13.1	135	16.5	133	16.4	15.7
Hamilton	26	10.0	32	12.8	32	12.8	31	12.4	33	13.2	12.2
Harper	122	15.4	145	18.6	94	12.2	113	15.1	101	13.5	15.0
Harvey	251	8.1	291	9.4	323	10.5	296	9.6	314	10.2	9.6
Haskell	21	5.4	22	5.6	24	6.2	32	8.2	31	7.8	6.6
Hodgeman	37	16.1	35	15.2	20	8.7	25	10.9	26	11.8	12.5
Jackson	125	10.6	125	10.8	137	11.7	147	12.6	129	10.9	11.3
Jefferson	162	10.3	157	9.9	157	9.9	134	8.4	145	8.8	9.5
Jewell	87	17.1	81	16.5	67	14.0	77	16.4	73	15.9	16.0
Johnson	1,562	5.4	1,638	5.5	1,662	5.4	1,694	5.3	1,768	5.3	5.4
Kearny	28	7.4	24	6.3	29	7.6	30	7.7	32	8.0	7.4
Kingman	106	11.6	109	12.0	105	11.7	93	10.4	100	11.2	11.4
Kiowa	47	11.5	52	13.0	47	12.1	49	12.9	52	13.7	12.6
Labette	312	12.0	287	11.1	324	12.7	282	11.1	353	13.8	12.1
Lane	31	12.4	36	14.4	27	10.8	30	12.0	23	9.6	11.8
Leavenworth	427	7.4	461	7.9	410	6.9	390	6.4	437	6.8	7.1
Lincoln	58	14.5	67	17.2	71	18.7	76	20.5	58	16.1	17.4
Linn	117	14.3	104	12.5	108	13.2	121	14.8	127	15.7	14.1
Logan	35	10.0	38	11.2	37	11.2	46	14.4	50	15.2	12.4

TABLE 22 (cont.)
DEATHS BY NUMBER AND RATE*
BY COUNTY OF RESIDENCE
KANSAS, 1983-1987

County of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Lyon	296	8.0	256	6.8	287	8.0	295	8.4	260	7.4	7.7
Marion	141	10.6	172	12.8	179	13.5	210	16.0	180	14.1	13.4
Marshall	170	13.2	170	13.4	167	13.3	179	14.0	171	13.8	13.5
McPherson	254	9.2	257	9.2	267	9.6	268	9.7	282	10.3	9.6
Meade	47	10.0	50	10.6	57	12.1	52	11.3	62	14.1	11.6
Miami	224	10.1	224	10.0	204	9.0	228	10.1	253	11.0	10.0
Mitchell	97	12.1	85	10.6	100	12.8	104	13.5	102	13.6	12.5
Montgomery	539	12.5	471	11.2	520	12.5	495	12.0	507	12.4	12.1
Morris	102	15.7	100	15.6	93	14.8	78	12.4	83	13.2	14.3
Morton	34	9.4	26	7.4	41	11.7	28	8.0	28	8.0	8.9
Nemaha	142	12.7	156	14.1	131	11.9	123	11.3	134	12.4	12.5
Neosho	244	12.6	226	11.6	204	10.6	232	12.3	210	11.4	11.7
Ness	51	10.9	59	12.6	46	10.0	43	9.6	43	10.0	10.6
Norton	94	14.2	89	13.5	96	15.0	90	14.3	84	12.9	14.0
Osage	186	11.7	176	10.9	153	9.8	177	11.3	145	9.1	10.6
Osborne	108	18.6	95	16.7	88	16.0	87	16.1	95	17.6	17.0
Ottawa	94	15.9	76	12.9	80	13.8	76	13.1	79	13.6	13.9
Pawnee	88	10.6	86	10.6	107	13.5	85	11.2	87	11.4	11.5
Phillips	117	16.0	109	15.1	127	17.9	100	14.5	82	11.9	15.1
Pottawatomie	150	9.6	161	10.2	141	9.0	158	10.1	134	8.4	9.5
Pratt	119	10.8	117	10.7	114	10.4	102	9.4	105	10.1	10.3
Rawlins	44	10.7	47	12.1	42	11.1	57	15.0	53	14.3	12.6
Reno	588	9.0	636	9.8	632	9.7	642	9.8	661	10.2	9.7
Republic	112	15.3	114	15.6	99	13.8	105	14.8	110	15.7	15.0
Rice	138	11.8	156	13.4	139	12.3	141	12.6	155	14.0	12.8
Riley	265	4.1	227	3.5	238	3.7	260	4.1	256	4.1	3.9
Rooks	91	12.6	93	13.3	78	11.3	84	12.4	89	13.9	12.7
Rush	60	13.3	49	11.1	63	14.7	75	17.9	63	16.2	14.6
Russell	123	13.4	123	13.5	107	12.0	114	13.3	122	14.7	13.4
Saline	447	9.0	418	8.3	419	8.4	449	9.0	454	9.0	8.7
Scott	59	10.2	42	7.1	43	7.4	64	11.0	47	8.4	8.8
Sedgwick	2,819	7.5	2,920	7.6	2,982	7.7	2,968	7.6	2,951	7.5	7.6
Seward	119	6.5	137	7.6	128	6.8	150	7.9	118	6.3	7.0
Shawnee	1,320	8.4	1,395	8.8	1,430	9.0	1,394	8.7	1,394	8.6	8.7
Sheridan	47	13.4	39	11.5	24	7.1	34	10.3	40	12.1	10.9
Sherman	95	12.5	68	9.1	94	12.7	85	11.8	75	10.7	11.4
Smith	69	11.9	86	15.4	91	16.3	82	14.9	99	18.0	15.3
Stafford	87	15.0	76	13.1	69	12.1	95	16.7	70	13.0	14.0
Stanton	15	6.0	13	5.4	22	9.2	15	6.3	16	6.7	6.7
Stevens	35	7.3	54	11.3	41	8.5	47	9.6	31	6.3	8.6
Sumner	286	11.3	288	11.4	280	11.1	284	11.1	278	11.0	11.2
Thomas	71	8.0	92	10.5	70	8.0	72	8.4	74	8.8	8.7
Trego	50	11.6	61	13.9	54	12.9	50	12.2	48	12.3	12.6
Wabaunsee	76	11.2	88	12.9	79	11.6	79	11.8	84	12.4	12.0
Wallace	14	7.0	25	12.5	14	7.0	18	9.5	18	9.0	9.0
Washington	115	14.0	124	15.5	119	15.3	126	16.8	105	14.2	15.2
Wichita	26	8.7	17	5.9	17	5.9	19	6.6	21	7.2	6.8
Wilson	181	15.1	170	14.4	148	12.6	182	15.4	157	13.5	14.2
Woodson	57	12.4	65	13.8	61	13.9	63	14.7	55	13.4	13.6
Wyandotte	1,651	9.6	1,664	9.6	1,646	9.5	1,738	10.0	1,667	9.6	9.7

*Rate per 1,000 population

TABLE 23
DEATHS BY NUMBER AND RATE*
BY CITY OF RESIDENCE
KANSAS, 1983-1987

City of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Abilene	109	16.3	85	13.3	91	14.2	89	13.9	115	18.0	15.1
Andover	1	0.3	11	3.2	19	5.6	13	3.6	11	3.0	3.1
Anthony	55	19.6	54	20.0	42	15.6	52	20.0	41	15.8	18.2
Arkansas City	182	13.5	197	14.8	164	12.4	176	13.5	153	11.8	13.2
Atchison	144	12.2	157	13.8	155	13.7	132	11.6	139	12.3	12.7
Augusta	72	9.7	76	11.0	65	9.4	78	11.0	80	11.1	10.5
Baldwin City	23	9.6	28	11.7	15	6.0	21	8.8	23	9.2	9.0
Baxter Springs	48	10.2	63	14.0	53	11.8	73	16.2	68	15.1	13.5
Belleville	45	17.3	54	20.8	50	19.2	52	20.0	49	18.8	19.2
Beloit	49	11.7	45	10.7	53	12.9	56	14.0	67	17.2	13.3
Bonner Springs	52	7.9	46	7.0	49	7.3	60	8.7	70	10.1	8.2
Burlington	30	9.7	35	10.6	32	10.3	34	12.1	42	15.0	11.5
Chanute	134	12.1	132	12.1	122	11.3	157	15.4	131	13.1	12.8
Cherryvale	46	16.4	34	13.1	33	12.7	36	13.8	42	16.2	14.4
Clay Center	87	18.1	98	20.4	83	17.7	98	21.3	72	15.7	18.6
Coffeyville	197	12.7	194	13 3	194	13.6	177	12.6	199	14.3	13.3
Colby	47	8.2	56	9.5	45	7.6	50	8.9	51	9.3	8.7
Columbus	53	15.1	78	22.3	47	13.4	50	14.7	50	14.7	16.1
Concordia	83	12.6	105	15.4	87	13.2	91	14.0	99	15.5	14.1
Derby	54	5.1	48	4.1	64	5.4	66	5.1	69	5.3	5.0
Dodge City	144	7.5	175	9.0	159	8.1	162	8.2	146	7.4	8.0
Edwardsville	41	12.1	34	9.4	41	11.4	46	13.1	32	9.1	11.0
El Dorado	138	11.6	156	13.8	136	11.9	149	13.5	135	11.9	12.6
Ellinwood	26	10.4	37	14.8	36	14.4	36	14.4	24	10.0	12.8
Emporia	209	7.8	172	6.3	200	7.7	212	8.6	188	7.7	7.6
Eudora	25	8.3	23	7.4	23	7.2	26	7.9	22	6.3	7.4
Eureka	66	19.4	69	20.3	57	17.3	73	23.5	60	19.4	20.0
Fairway	42	8.9	37	7.9	51	10.6	40	8.5	45	9.2	9.0
Fort Scott	164	18.4	154	17.7	109	12.7	136	16.0	122	14.7	15.9
Fredonia	70	24.1	54	18.6	47	16.8	56	20.0	47	17.4	19.4
Frontenac	20	7.4	22	8.5	37	14.2	34	13.6	41	16.4	12.0
Galena	56	15.6	52	14.4	49	13.6	52	14.9	57	16.3	15.0
Garden City	135	6.3	147	6.8	145	7.0	138	6.1	125	5.5	6.3
Garnett	69	21.6	55	16.7	58	18.1	52	17.3	66	22.0	19.1
Girard	55	18.3	43	14.8	34	11.7	36	12.4	37	12.8	14.0
Goodland	78	14.2	52	9.6	72	13.6	66	12.9	63	12.6	12.6
Great Bend	163	9.2	169	9.6	155	8.8	158	9.1	148	8.9	9.1
Hays	123	6.9	133	7.3	107	5.9	117	6.6	90	5.2	6.4
Haysville	33	3.9	33	3.9	44	5.2	36	4.2	37	4.3	4.3
Herington	40	14.3	46	15.9	53	18.3	45	15.5	55	19.0	16.6
Hesston	10	3.2	23	7.7	21	7.0	8	2.8	16	5.5	5.2
Hiawatha	57	16.3	55	14.9	50	13.9	63	17.5	58	16.1	15.7
Hillsboro	33	12.7	34	13.1	43	16.5	47	18.1	39	15.6	15.2
Hoisington	36	9.5	49	13.2	53	14.3	44	12.2	56	16.5	13.1
Holton	51	16.5	59	19.7	60	20.0	61	20.3	59	19.7	19.2
Hugoton	26	8.1	41	12.8	30	9.4	39	11.8	23	7.0	9.8
Hutchinson	396	9.8	424	10.5	433	10.7	437	10.5	471	11.4	10.6
Independence	163	14.7	118	10.7	138	12.8	142	13.7	143	13.9	13.1
Iola	93	13.1	94	13.4	89	12.9	98	14.4	102	15.5	13.9
Junction City	162	8.1	154	8.0	155	7.9	145	7.1	144	7.4	7.7
Kansas City	1,543	9.5	1,572	9.8	1,549	9.6	1,617	10.0	1,551	9.6	9.7

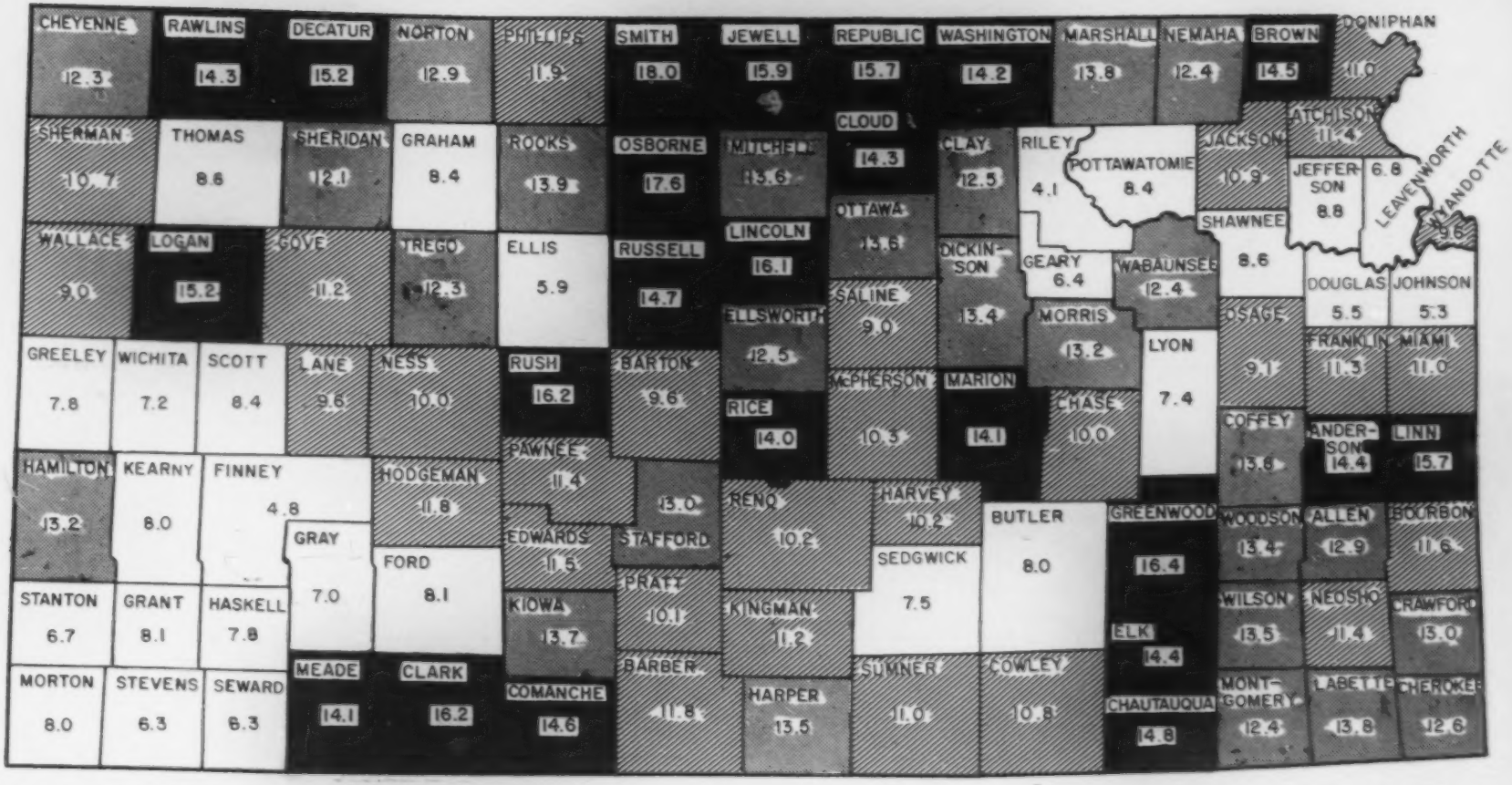
TABLE 23 (cont.)
DEATHS BY NUMBER AND RATE*
BY CITY OF RESIDENCE
KANSAS, 1983-1987

City of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Kingman	55	15.7	39	10.8	45	12.5	45	13.2	69	20.3	14.5
Lansing	28	4.4	33	5.2	19	2.9	25	3.7	22	3.1	3.9
Larned	60	12.5	65	13.3	73	15.2	57	12.7	61	13.6	13.4
Lawrence	258	4.7	260	4.8	319	5.8	303	5.4	299	5.1	5.2
Leavenworth	285	8.2	306	8.7	296	8.3	263	7.3	296	7.6	8.0
Leawood	111	7.8	74	5.1	88	5.9	113	7.0	95	5.7	6.3
Lenexa	102	4.8	108	4.6	120	5.0	96	3.5	120	4.2	4.4
Liberal	110	6.8	123	7.8	112	6.8	135	8.1	106	6.4	7.2
Lindsborg	47	14.2	31	9.4	38	11.5	48	14.5	51	15.5	13.0
Lyons	58	14.5	64	16.0	52	13.3	61	16.5	67	18.1	15.7
Manhattan	187	5.5	174	5.3	177	5.4	190	5.6	191	5.8	5.5
Marysville	51	13.4	57	15.0	63	17.0	56	15.1	60	16.7	15.4
McPherson	93	7.6	107	8.9	104	8.7	114	9.3	111	9.2	8.7
Medicine Lodge	40	16.0	37	13.7	20	7.4	48	18.5	36	14.4	14.0
Merriam	71	6.4	77	6.9	88	7.6	70	5.8	73	5.8	6.5
Mission	79	9.0	77	9.1	78	8.9	82	9.5	84	9.3	9.2
Mission Hills	31	7.8	33	8.3	16	3.9	18	4.4	19	4.4	5.7
Mulvane	30	6.7	27	6.1	32	7.1	29	6.3	18	3.9	6.0
Neodesha	46	13.9	56	17.0	53	16.6	55	16.7	60	18.8	16.6
Newton	151	9.0	161	9.8	203	12.4	181	11.0	204	12.4	10.9
Norton	48	15.0	57	17.3	50	15.6	65	21.0	50	15.6	16.9
Olathe	163	3.8	205	4.4	196	4.1	219	4.2	268	4.9	4.3
Osage City	44	15.7	37	13.2	40	14.8	37	13.7	41	14.6	14.4
Osawatomie	60	13.0	60	13.0	53	11.5	60	13.3	73	15.9	13.4
Ottawa	137	12.3	160	14.5	138	12.7	132	12.2	144	13.2	13.0
Overland Park	442	5.1	443	5.0	491	5.3	490	5.1	536	5.3	5.2
Paola	59	13.1	61	13.9	72	16.4	65	15.1	76	17.3	15.1
Parsons	179	13.7	145	11.1	166	12.8	149	11.7	197	15.4	12.9
Phillipsburg	55	17.7	49	15.8	61	19.7	47	16.2	35	12.1	16.3
Pittsburg	243	13.0	266	14.4	230	12.6	218	11.9	252	13.8	13.1
Plainville	30	12.0	32	12.8	27	11.3	29	12.1	30	13.6	12.4
Prairie Village	166	6.6	175	7.3	168	6.7	172	7.2	162	6.5	6.9
Pratt	94	12.7	81	10.8	79	10.4	83	11.4	77	11.0	11.3
Roeland Park	55	6.8	58	7.3	56	6.8	52	6.3	55	6.5	6.8
Russell	73	13.3	75	13.4	66	12.0	76	14.3	77	15.1	13.6
Salina	405	9.4	368	8.6	361	8.5	392	9.2	410	9.5	9.0
Scott City	45	11.3	38	9.0	39	9.5	58	14.5	40	10.3	10.9
Shawnee	116	3.7	125	4.2	144	4.7	157	5.2	144	4.5	4.5
Topeka	1,148	9.5	1,210	10.2	1,244	10.4	1,209	10.2	1,214	10.1	10.1
Ulysses	34	7.1	27	5.7	46	9.8	37	7.7	49	10.2	8.1
Valley Center	27	10.4	32	11.4	30	10.7	30	10.3	28	9.7	10.5
Wamego	36	10.6	48	13.7	39	11.1	40	11.4	32	8.9	11.2
Wellington	116	14.0	104	12.7	107	13.0	105	12.7	116	14.1	13.3
Wichita	2,465	8.5	2,584	9.1	2,585	9.0	2,584	8.9	2,563	8.8	8.9
Winfield	152	12.6	151	12.8	122	10.4	143	12.2	149	12.8	12.2

*Rates per 1,000 population

DEATH RATES BY COUNTY OF RESIDENCE

KANSAS, 1987



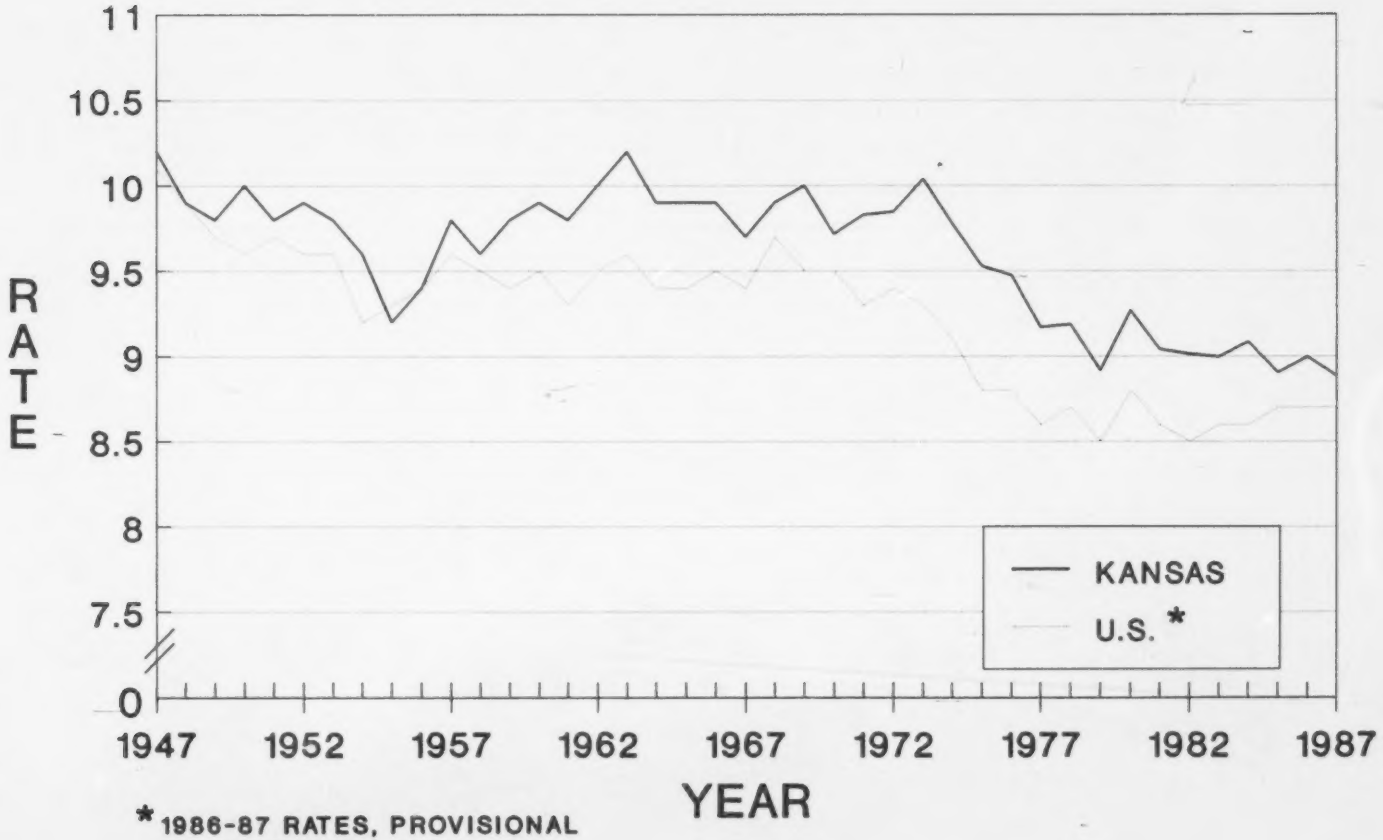
DEATHS PER 1,000 POPULATION

STATE RATE: 8.9

- Under 9.0
- 9.0-11.9
- 12.0-13.9
- 14.0 & Over

Figure 23

DEATH RATES
KANSAS AND THE U.S., 1947-1987



* 1986-87 RATES, PROVISIONAL
RATE PER 1,000 POPULATION
RESIDENCE DATA

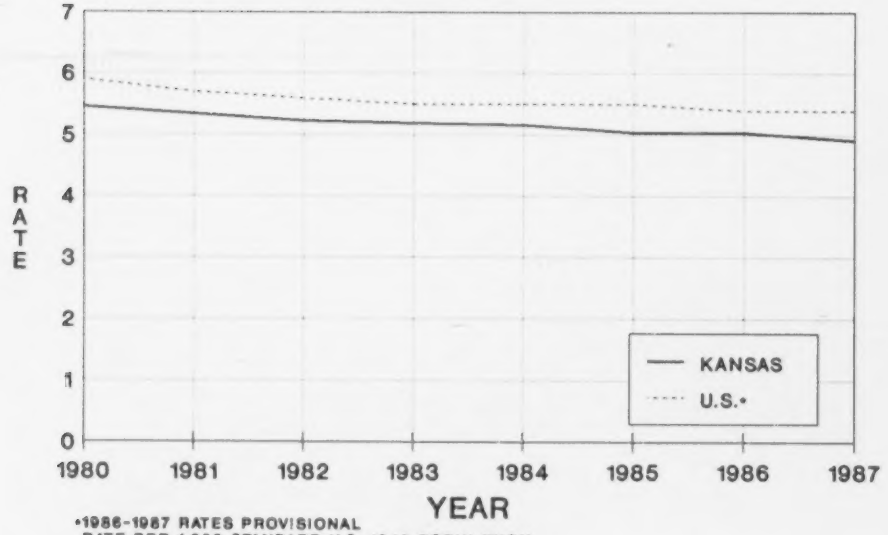
Figure 24

TABLE 24
AGE-SPECIFIC DEATH RATES* BY SEX
KANSAS, 1980-1987

Age-Group and Sex	Year							
	1980	1981	1982	1983	1984	1985	1986	1987
Total.....	9.3	9.0	9.0	9.0	9.1	8.9	9.0	8.9
Under 5.....	2.7	2.9	2.7	2.5	2.4	2.3	2.2	2.3
5-14.....	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2
15-24.....	1.2	1.1	0.9	0.9	0.9	0.9	0.9	1.0
25-34.....	1.2	1.2	1.1	1.0	1.0	1.0	1.0	1.1
35-44.....	1.8	1.9	1.8	1.6	1.7	1.5	1.6	1.6
45-54.....	4.9	4.7	4.6	4.5	4.3	4.3	4.2	4.0
55-64.....	11.6	11.6	11.3	11.4	11.2	11.1	10.9	10.4
65-74.....	26.2	25.6	26.3	26.9	26.4	25.7	25.8	24.5
75 and over.....	87.0	83.2	83.1	81.7	83.2	81.3	82.0	81.0
Male.....	10.0	9.7	9.6	9.7	9.6	9.3	9.3	9.2
Under 5.....	3.2	3.2	2.9	2.8	2.7	2.5	2.5	2.5
5-14.....	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.2
15-24.....	1.8	1.7	1.3	1.3	1.4	1.2	1.3	1.3
25-34.....	1.6	1.7	1.4	1.3	1.4	1.4	1.4	1.5
35-44.....	2.3	2.3	2.4	2.1	2.2	1.9	1.9	2.0
45-54.....	6.5	6.0	5.7	5.8	5.4	5.7	5.5	5.1
55-64.....	15.3	15.4	15.2	15.0	14.7	14.3	14.3	13.9
65-74.....	36.1	35.7	36.6	37.4	35.9	35.3	34.5	33.0
75 and over.....	108.8	102.9	102.6	104.5	103.6	98.3	99.3	97.9
Female.....	8.5	8.4	8.4	8.3	8.6	8.6	8.7	8.6
Under 5.....	2.3	2.7	2.6	2.2	2.2	2.1	1.9	1.9
5-14.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
15-24.....	0.6	0.5	0.4	0.5	0.5	0.6	0.5	0.6
25-34.....	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6
35-44.....	1.4	1.4	1.3	1.1	1.3	1.2	1.2	1.1
45-54.....	3.2	3.4	3.5	3.3	3.2	2.9	2.8	3.1
55-64.....	8.2	8.2	7.8	8.1	8.0	8.2	7.9	7.3
65-74.....	18.3	18.1	18.2	18.7	18.9	18.0	18.8	17.7
75 and over.....	75.1	71.7	71.7	69.7	72.5	72.3	72.8	72.7

*Rate per 1,000 age-group population
Residence data

AGE-ADJUSTED DEATH RATES
KANSAS AND THE U.S., 1980-1987
BOTH SEXES



*1986-1987 RATES PROVISIONAL
RATE PER 1,000 STANDARD U.S. 1940 POPULATION
RESIDENCE DATA

Figure 25

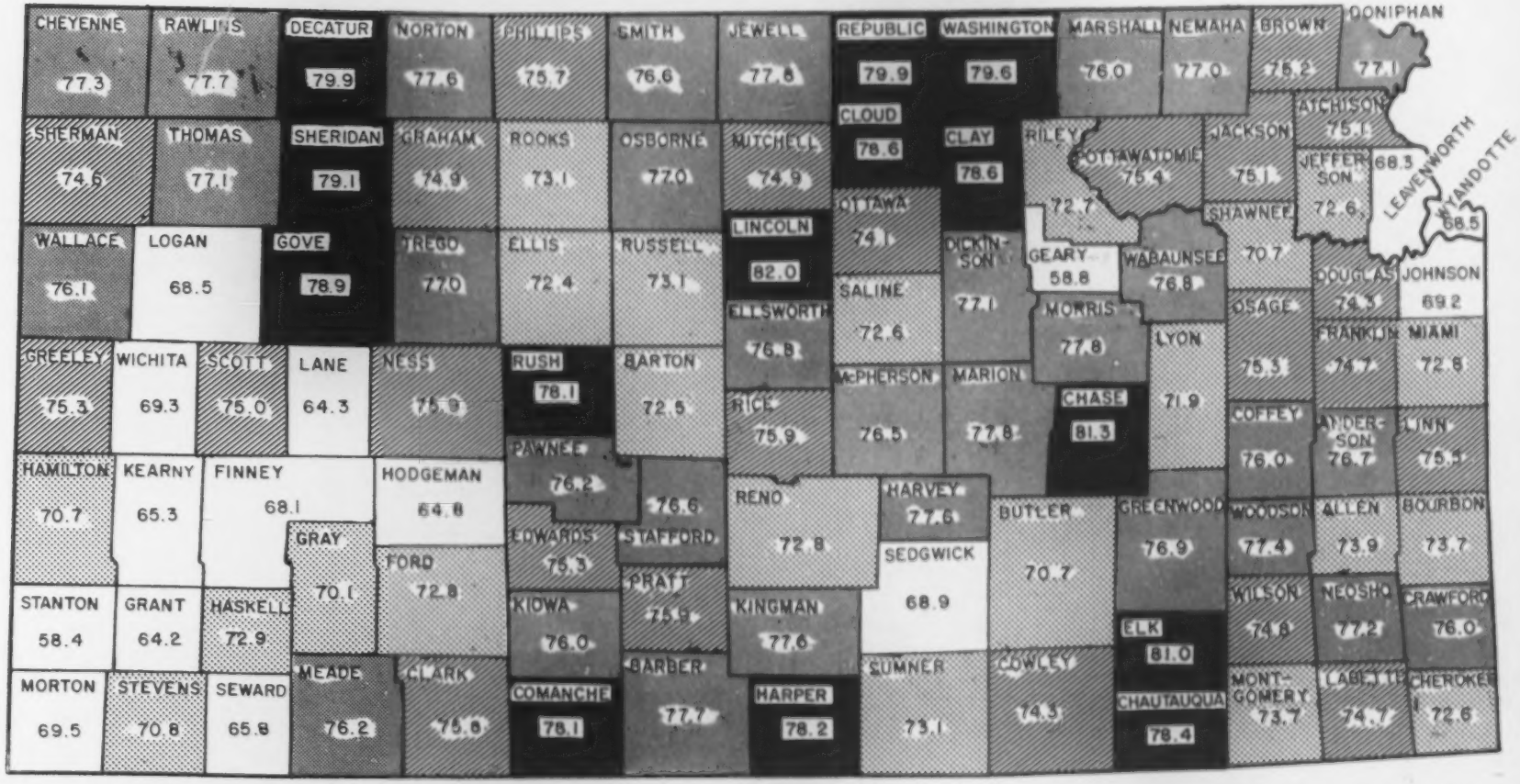
TABLE 25
AGE-ADJUSTED DEATH RATES* BY SEX
KANSAS AND THE U.S., 1980-1987

Year	Kansas			U.S.**		
	Total	Male	Female	Total	Male	Female
1980.....	5.5	7.0	4.2	5.9	7.8	4.3
1981.....	5.3	6.8	4.1	5.7	7.5	4.2
1982.....	5.2	6.7	4.1	5.6	7.3	4.1
1983.....	5.2	6.7	4.0	5.5	7.2	4.1
1984.....	5.2	6.6	4.1	5.5	7.2	4.1
1985.....	5.0	6.4	4.0	5.5	7.2	4.1
1986.....	5.0	6.3	4.0	5.4	7.1	4.1
1987.....	4.9	6.2	3.9	5.4	7.0	4.0

*Rate per 1,000 standard population
**1986-1987 rates are provisional
Residence data

AVERAGE AGE AT DEATH

BY COUNTY OF RESIDENCE, KANSAS, 1987



AVERAGE AGE AT DEATH

- Under 70.0
- 70.0-73.9
- 74.0-75.9
- 76.0-77.9
- 78.0 & Over

STATE AVERAGE: 72.5

Figure 26

TABLE 26
DEATHS BY AGE-GROUP AND AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group												AVERAGE AGE AT DEATH
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	
Kansas	21,995	353	79	87	362	469	519	910	2,313	4,514	6,368	6,018	3	72.5
Allen	197	4	-	1	3	-	4	8	20	36	67	54	-	73.9
Anderson	118	1	-	-	-	2	3	2	12	24	31	43	-	76.7
Atchison	201	3	-	-	5	3	3	6	10	50	64	57	-	75.1
Barber	78	-	-	-	-	1	3	-	5	17	31	21	-	77.7
Barton	302	5	-	1	3	4	7	9	34	73	102	64	-	72.5
Bourbon	179	4	1	1	1	3	2	3	20	29	67	48	-	73.7
Brown	164	2	1	-	4	2	2	3	14	29	53	54	-	75.2
Butler	393	7	1	4	10	9	9	16	49	78	106	103	1	70.7
Chase	30	-	-	-	-	2	-	-	-	1	12	15	-	81.3
Chautauqua	68	-	-	-	1	2	-	2	5	5	23	30	-	78.4
Cherokee	280	2	-	-	11	5	7	15	26	52	82	80	-	72.6
Cheyenne	43	-	-	-	1	-	3	1	2	5	12	19	-	77.3
Clark	42	-	-	-	-	-	-	1	5	11	17	8	-	75.8
Clay	116	-	-	-	-	1	2	2	5	30	35	41	-	78.6
Cloud	164	1	-	-	-	1	3	5	9	28	53	64	-	78.6
Coffey	124	1	-	-	1	3	1	6	8	28	38	38	-	76.0
Comanche	35	1	-	-	-	-	-	1	3	6	9	15	-	78.1
Cowley	397	6	2	-	5	4	14	17	32	76	119	122	-	74.3
Crawford	485	2	1	-	7	4	7	10	45	110	147	152	-	76.0
Decatur	64	-	-	-	2	-	1	2	3	9	12	35	-	79.9
Dickinson	267	1	-	-	4	3	7	6	19	52	83	92	-	77.1
Doniphan	99	-	1	2	1	1	1	1	7	16	31	38	-	77.1
Douglas	413	5	-	-	4	11	8	14	52	72	117	130	-	74.3
Edwards	45	-	-	-	1	1	4	-	4	6	16	13	-	75.3
Elk	52	-	-	-	-	-	1	-	3	8	19	21	-	81.0
Ellis	160	1	1	-	3	6	2	8	16	36	45	42	-	72.4
Ellsworth	76	-	-	1	-	-	1	2	8	16	23	25	-	76.8
Finney	147	4	-	1	7	7	7	5	15	28	34	39	-	68.1
Ford	214	2	-	3	6	2	6	9	16	45	70	55	-	72.8
Franklin	251	2	1	1	5	6	6	8	21	31	85	85	-	74.7
Geary	192	13	4	-	14	11	5	16	30	32	37	30	-	58.8
Gove	38	-	-	-	-	1	-	2	-	8	15	12	-	78.9
Graham	32	-	-	-	-	-	-	2	2	9	15	4	-	74.9
Grant	55	2	1	-	2	1	2	4	8	13	17	5	-	64.2
Gray	38	1	-	-	3	-	-	3	3	6	11	11	-	70.1
Greeley	14	-	-	-	-	-	1	1	1	3	3	5	-	75.3
Greenwood	133	1	-	-	1	2	1	3	13	20	49	43	-	76.9
Hamilton	33	3	-	-	-	1	-	4	-	6	5	14	-	70.7
Harper	101	2	-	-	-	2	1	-	9	16	31	40	-	78.2
Harvey	314	1	-	-	4	5	2	9	20	56	104	113	-	77.6
Haskell	31	-	-	-	-	-	2	2	2	13	5	7	-	72.9
Hodgeman	26	-	-	4	1	1	-	-	2	6	-	12	-	64.8
Jackson	129	-	-	-	3	3	3	5	11	21	44	39	-	75.1
Jefferson	145	1	2	3	1	2	7	4	10	33	38	44	-	72.6
Jewell	73	-	-	1	-	-	-	4	5	11	30	22	-	77.8
Johnson	1,768	42	6	8	32	56	49	91	256	364	486	378	-	69.2
Kearny	32	2	-	1	-	1	1	-	4	9	7	7	-	65.3
Kingman	100	-	-	-	-	2	-	1	10	22	32	33	-	77.6
Kiowa	52	2	-	-	-	-	-	1	6	8	18	17	-	76.0
Labette	353	4	1	1	2	6	9	13	29	75	113	100	-	74.7
Lane	23	1	-	1	-	1	-	1	6	4	4	5	-	64.3
Leavenworth	437	12	3	4	5	12	12	25	55	112	111	86	-	68.3
Lincoln	58	-	-	-	-	-	-	1	3	11	15	28	-	82.0
Linn	127	1	-	1	2	-	4	3	12	19	48	37	-	75.5
Logan	50	-	1	-	3	2	1	3	6	7	15	12	-	68.5

TABLE 26 (cont.)
DEATHS BY AGE-GROUP AND AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Total	Age-Group												AVERAGE AGE AT DEATH
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	
Lyon	260	4	2	2	2	5	8	11	27	48	88	63	-	71.9
Marion	180	1	-	-	1	2	-	2	17	37	57	63	-	77.8
Marshall	171	1	1	1	-	2	-	2	19	43	55	47	-	76.0
McPherson	282	1	1	3	2	3	5	4	28	41	101	93	-	76.5
Meade	62	-	-	-	-	1	1	2	6	14	21	17	-	76.2
Miami	253	1	-	-	2	8	7	18	24	53	72	68	-	72.8
Mitchell	102	1	-	1	1	3	1	2	9	15	37	32	-	74.9
Montgomery	507	8	1	-	7	10	8	15	47	108	175	128	-	73.7
Morris	83	1	-	-	1	-	1	2	5	19	23	31	-	77.8
Morton	28	-	-	-	-	2	-	3	3	10	5	5	-	69.5
Nemaha	134	-	-	1	6	-	3	2	6	24	40	52	-	77.0
Neosho	210	-	-	-	1	3	3	6	14	52	62	69	-	77.2
Ness	43	-	1	-	-	1	1	-	6	7	12	15	-	75.9
Norton	84	-	-	-	-	2	1	2	5	15	33	26	-	77.6
Osage	145	-	-	-	3	1	4	5	14	34	38	46	-	75.3
Osborne	95	3	-	-	-	1	-	2	2	22	36	29	-	77.0
Ottawa	79	1	-	1	1	2	2	6	6	8	21	31	-	74.1
Pawnee	87	2	-	-	1	1	-	2	6	18	29	28	-	76.2
Phillips	82	-	-	-	1	4	1	3	5	17	23	28	-	75.7
Pottawatomie	134	1	-	-	2	3	4	5	7	16	54	42	-	75.4
Pratt	105	-	1	-	1	2	1	6	6	20	32	36	-	75.9
Rawlins	53	-	-	-	-	1	1	2	4	7	18	20	-	77.7
Reno	661	15	3	2	7	7	15	28	73	132	194	185	-	72.8
Republic	110	2	-	-	-	-	1	1	5	18	37	46	-	79.9
Rice	155	-	-	1	4	3	1	8	6	30	57	45	-	75.9
Riley	256	4	3	-	5	5	4	15	25	54	59	82	-	72.7
Rooks	89	1	-	1	1	3	3	1	9	14	34	22	-	73.1
Rush	63	-	-	-	-	1	1	-	4	17	17	23	-	78.1
Russell	122	2	1	1	1	1	-	6	17	24	37	32	-	73.1
Saline	454	8	1	1	11	5	10	24	35	102	138	119	-	72.6
Scott	47	1	-	-	-	1	1	1	2	11	17	13	-	75.0
Sedgwick	2,951	75	17	13	64	84	89	172	374	672	730	661	-	68.9
Seward	118	2	1	1	4	6	7	6	16	25	24	26	-	65.8
Shawnee	1,394	32	8	4	18	36	50	61	172	269	375	369	-	70.7
Sheridan	40	1	-	-	-	-	-	1	3	7	7	21	-	79.1
Sherman	75	2	-	-	1	-	1	4	6	10	31	20	-	74.6
Smith	99	1	-	-	1	2	2	1	8	20	32	32	-	76.6
Stafford	70	1	-	-	2	-	1	3	6	9	22	26	-	76.6
Stanton	16	1	-	-	-	1	3	2	1	1	7	-	-	58.4
Stevens	31	-	-	1	-	1	-	2	3	9	10	5	-	70.8
Sumner	278	1	4	2	6	7	7	7	23	56	82	83	-	73.1
Thomas	74	-	-	-	-	2	-	-	5	22	22	23	-	77.1
Trego	48	-	-	-	-	1	2	1	3	8	16	17	-	77.0
Wabaunsee	84	1	-	1	-	-	2	2	9	12	24	33	-	76.8
Wallace	18	-	-	-	1	-	-	-	1	5	5	6	-	76.1
Washington	105	2	-	-	-	-	-	5	3	16	36	43	-	79.6
Wichita	21	-	-	1	-	1	2	2	1	2	5	7	-	69.3
Wilson	157	1	1	1	2	4	2	4	18	26	51	47	-	74.8
Woodson	55	-	-	1	-	-	-	5	2	7	19	21	-	77.4
Wyandotte	1,667	33	6	8	44	49	49	86	246	417	392	335	2	68.5

TABLE 27
DEATHS BY RACE AND SEX BY AGE-GROUP AND AVERAGE AGE AT DEATH
KANSAS, 1987

Sex and Race	Total	Age-Group											AVERAGE AGE AT DEATH
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	
All Races	21,995	353	79	87	362	469	519	910	2,313	4,514	6,368	6,018	3	72.5
Male	11,157	209	42	39	259	341	334	556	1,478	2,707	3,216	1,975	1	68.7
Female	10,838	144	37	48	103	128	185	354	835	1,807	3,152	4,043	2	76.3
White	20,816	279	68	80	323	410	455	822	2,128	4,275	6,143	5,830	3	73.1
Male	10,501	163	34	34	229	298	294	504	1,372	2,567	3,110	1,895	1	69.4
Female	10,315	116	34	46	94	112	161	318	756	1,708	3,033	3,935	2	76.9
Black	1,069	65	10	7	32	50	54	80	174	219	205	173	-	61.8
Male	588	39	7	5	24	36	35	47	101	128	96	70	-	58.3
Female	481	26	3	2	8	14	19	33	73	91	109	103	-	66.1
Other	108	9	1	-	7	9	10	8	11	19	20	14	-	56.3
Male	66	7	1	-	6	7	5	5	5	11	10	9	-	52.4
Female	42	2	-	-	1	2	5	3	6	8	10	5	-	62.2
Not Stated	2	-	-	-	-	-	-	-	-	1	-	1	-	81.0
Male	2	-	-	-	-	-	-	-	-	1	-	1	-	81.0
Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Residence data

TABLE 28
TEN LEADING CAUSES OF DEATH
KANSAS, 1987

Sex and Race	Total	Causes of Death										
		Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes mellitus	Suicide	Atherosclerosis	Nephritis, Nephrotic Syndrome and Nephrosis	All Other Causes
Total.....	21,995	7,909	4,593	1,639	1,018	919	760	409	336	312	296	3,804
Male.....	11,157	3,877	2,497	611	653	596	368	161	274	119	152	1,849
White.....	10,501	3,687	2,368	572	604	573	352	147	265	116	138	1,679
Black.....	588	170	122	37	37	22	12	14	6	2	12	154
Indian.....	36	12	3	-	9	1	3	-	-	-	1	7
Other.....	30	6	4	2	3	-	1	-	3	1	1	9
Not Stated.....	2	2	-	-	-	-	-	-	-	-	-	-
Female.....	10,838	4,032	2,096	1,028	365	323	392	248	62	193	144	1,955
White.....	10,315	3,873	1,978	991	353	316	378	223	58	192	130	1,823
Black.....	481	150	103	34	10	7	11	25	2	1	14	124
Indian.....	27	7	9	3	1	-	2	-	-	-	-	5
Other.....	15	2	6	-	1	-	1	-	2	-	-	3
Not Stated.....	-	-	-	-	-	-	-	-	-	-	-	-

Residence data

TABLE 29
SELECTED CAUSES OF DEATH BY AGE-GROUP
AND AVERAGE AGE AT DEATH
KANSAS, 1987

Selected Causes of Death (ICD Code)	Total	Age-Group												AVERAGE AGE AT DEATH
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	
All Causes.....	21,995	353	79	87	362	469	519	910	2,313	4,514	6,368	6,018	3	72.5
Selected Causes.....	18,766	127	57	75	338	380	441	796	2,071	4,018	5,439	5,023	1	n.a.
Tuberculosis (010-018).....	7	-	-	-	-	-	-	-	2	1	2	2	-	76.1
Malignant Neoplasms (140-208).....	4,593	-	7	14	17	40	131	312	842	1,366	1,283	581	-	70.1
Diabetes mellitus (250).....	409	-	-	-	-	4	8	24	50	111	129	83	-	73.4
Hypertension (401, 403).....	84	-	-	-	-	-	-	1	5	21	29	28	-	79.5
Heart Disease (390-398, 402, 404-429).....	7,909	16	5	1	16	27	78	261	743	1,644	2,450	2,667	1	77.7
Cerebrovascular Disease (430-438).....	1,639	-	-	-	5	13	13	31	97	227	582	671	-	80.3
Atherosclerosis (440).....	312	-	-	-	-	-	-	1	10	23	82	196	-	85.8
Pneumonia and Influenza (480-487).....	760	5	3	3	3	10	3	13	30	79	240	371	-	81.2
Chronic Obstructive Pulmonary Diseases (490-496).....	919	-	-	2	-	2	2	19	102	305	348	139	-	74.5
Ulcer of Stomach and Duodenum (531-533).....	88	-	-	-	-	3	-	1	4	19	32	29	-	78.2
Chronic Liver Disease and Cirrhosis (571).....	156	-	-	-	-	8	16	20	39	48	16	9	-	61.9
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	296	4	-	-	-	2	5	3	16	40	109	117	-	79.2
Congenital Anomalies (740-759).....	126	87	10	3	2	5	6	4	2	4	2	1	-	10.9
Accidents (E800-E949).....	1,018	15	27	47	208	156	107	60	80	85	109	124	-	46.1
Suicide (E950-E959).....	336	-	-	2	62	71	53	39	42	40	23	4	-	44.1
Homicide and Legal Intervention (E960-E978).....	114	-	5	3	25	39	19	7	7	5	3	1	-	33.7

Residence data

TABLE 30
TEN LEADING CAUSES OF DEATH BY SEX
BY NUMBER, RATE AND AVERAGE AGE AT DEATH
KANSAS, 1987

Leading Causes of Death (ICD Code)	Number of Deaths			Cause-Specific Death Rate*			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes.....	21,995	11,157	10,838	888.3	919.0	858.8	72.5	68.7	76.3
Heart Disease (390-398, 402, 404-429).....	7,909	3,877	4,032	319.4	319.4	319.5	77.7	73.8	81.4
Malignant Neoplasms (140-208).....	4,593	2,497	2,096	185.5	205.7	166.1	70.1	69.8	70.4
Cerebrovascular Disease (430-438).....	1,639	611	1,028	66.2	50.3	81.5	80.3	78.2	81.5
Accidents (E800-E949).....	1,018	653	365	41.1	53.8	28.9	46.1	41.2	54.8
Chronic Obstructive Pulmonary Diseases (490-496).....	919	596	323	37.1	49.1	25.6	74.5	74.8	74.0
Pneumonia and Influenza (480-487).....	760	368	392	30.7	30.3	31.1	81.2	78.8	83.3
Diabetes mellitus (250).....	409	161	248	16.5	13.3	19.7	73.4	72.1	74.2
Suicide (E950-E959).....	336	274	62	13.6	22.6	4.9	44.1	43.7	45.8
Atherosclerosis (440).....	312	119	193	12.6	9.8	15.3	85.8	83.2	87.3
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	296	152	144	12.0	12.5	11.4	79.2	77.8	80.7

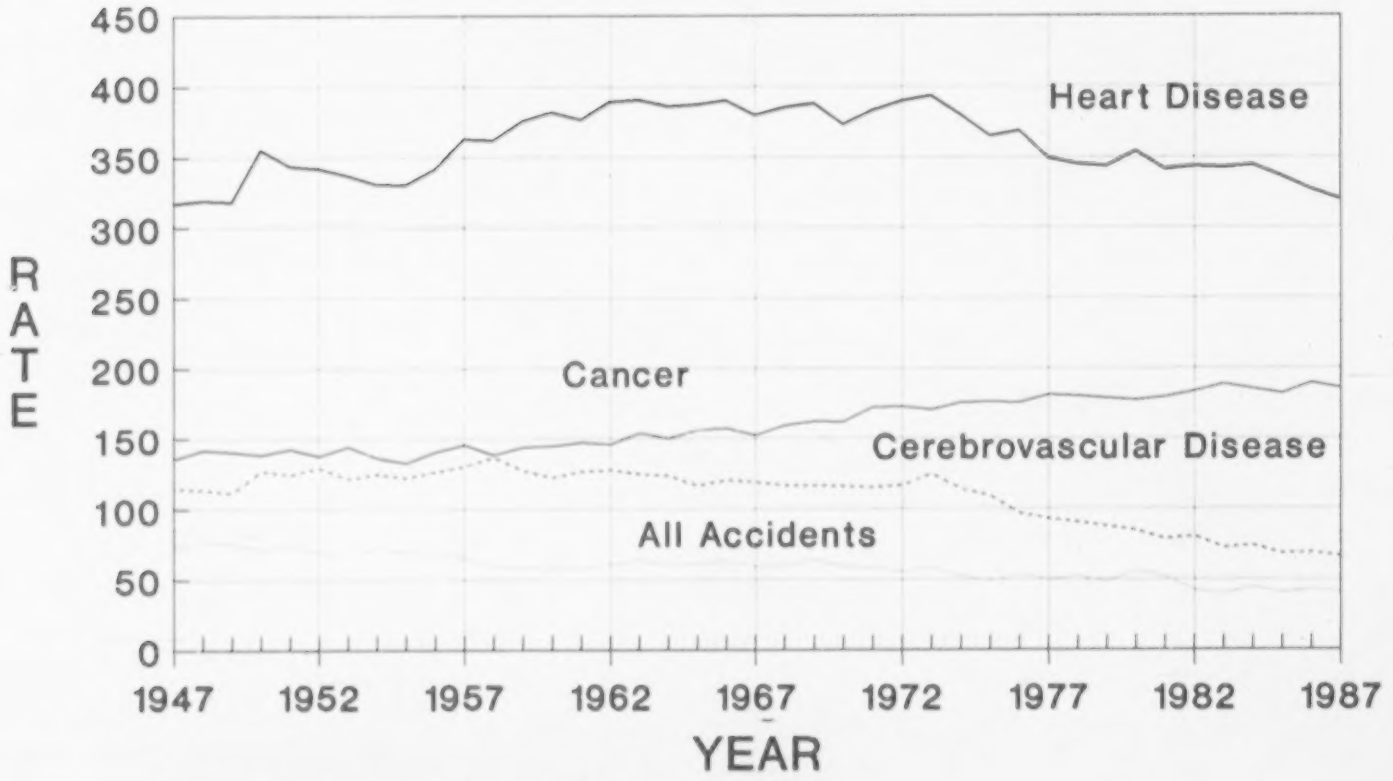
*Rate per 100,000 population
Note: Rates are based on 1987 population estimates from the United States Bureau of the Census.
Residence data

TABLE 31
SELECTED LEADING CAUSES OF DEATH BY NUMBER AND RATE*
KANSAS AND THE U.S., 1987

Cause of Death (ICD Code)	Kansas		U.S.** (Estimates)	
	Number	Rate	Number	Rate
All Causes	21,995	888.3	2,125,080	874.0
Heart Disease (390-398, 402, 404-429)	7,909	319.4	759,350	312.3
Malignant Neoplasms (140-208)	4,593	185.5	476,730	196.1
Cerebrovascular Disease (430-438)	1,639	66.2	148,730	61.2
Accidents (E800-E949)	1,018	41.1	92,500	38.0
Chronic Obstructive Pulmonary Diseases (490-496)	919	37.1	78,010	32.1
Pneumonia and Influenza (480-487)	760	30.7	68,630	28.2
Diabetes mellitus (250)	409	16.5	37,770	15.5
Suicide (E950-E959)	336	13.6	29,590	12.2
Atherosclerosis (440)	312	12.6	23,120	9.5
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	296	12.0	23,600	9.7
Aortic Aneurysm (441)	211	8.5	n.a.	n.a
Chronic Liver Disease and Cirrhosis (571)	156	6.3	25,960	10.7
Congenital Anomalies (740-759)	126	5.1	12,130	5.0
Certain Conditions Originating in the Perinatal Period (760-779)	149	6.0	18,480	7.6
Homicide and Legal Intervention (E960-E978)	114	4.6	19,880	8.2

*Rate per 100,000 population
**U.S. estimates are from the National Center for Health Statistics and are based on a 10 percent sample.
Residence data

DEATH RATES FOR THE
FOUR LEADING CAUSES OF DEATH
KANSAS, 1947-1987



RATE PER 100,000 POPULATION
RESIDENCE DATA

Figure 27

LEADING CAUSES OF DEATH BY AGE-GROUP
KANSAS, 1987

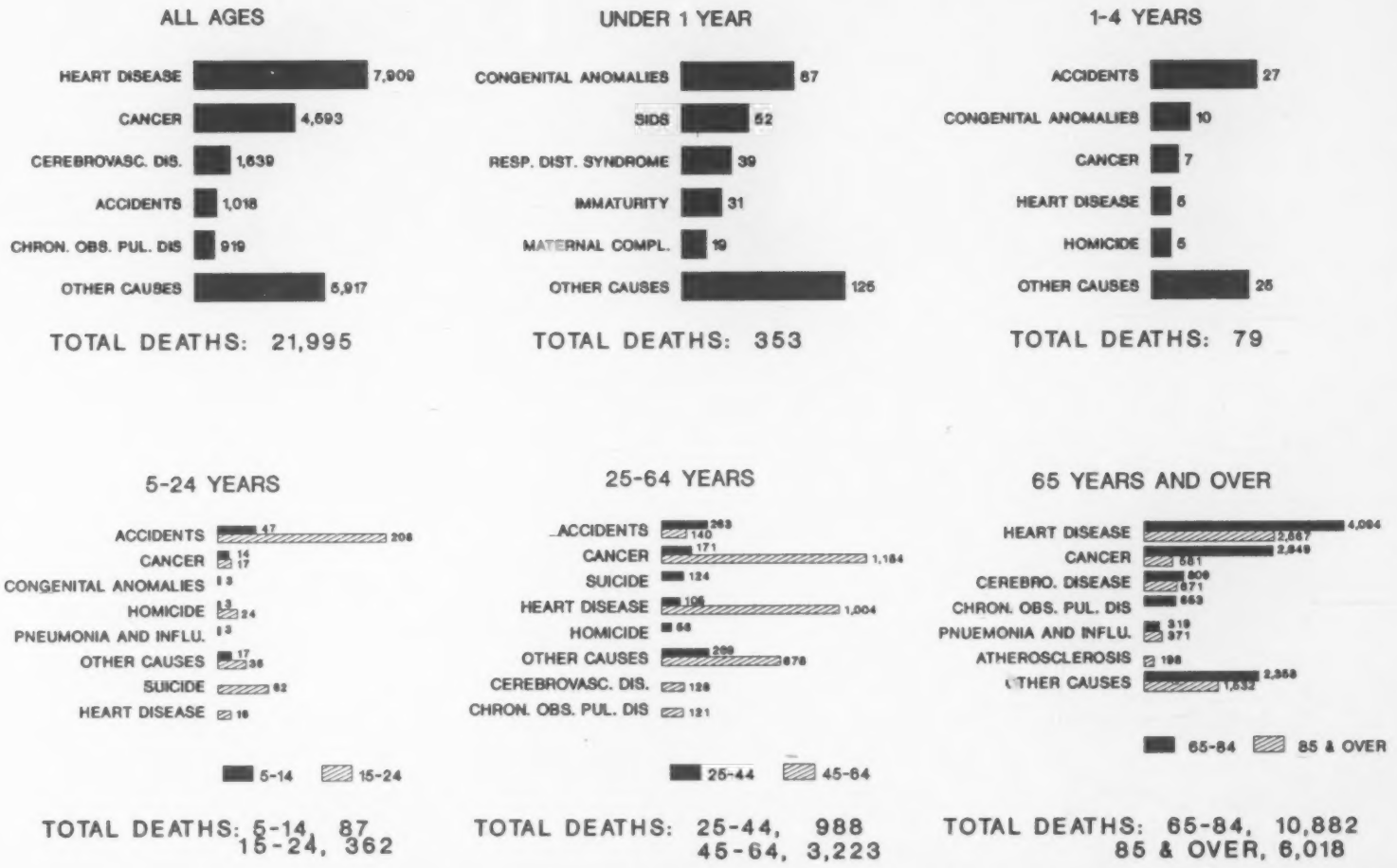


Figure 28

TABLE 32
HEART DISEASE DEATHS BY AGE-GROUP AND SEX
KANSAS, 1987

Selected Causes of Death (ICD Code)	Total	Age-Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Diseases of the Heart (390-398,402,404-429)	7,909	16	5	1	16	27	78	261	743	1,644	2,450	2,667	1
Male	3,877	10	3	-	9	14	63	188	528	1,036	1,203	823	-
Female	4,032	6	2	1	7	13	15	73	215	608	1,247	1,844	1
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (390-398)	55	-	-	-	-	-	1	3	4	17	17	13	-
Male	20	-	-	-	-	-	1	1	3	6	8	1	-
Female	35	-	-	-	-	-	-	2	1	11	9	12	-
Hypertensive Heart Disease with or without Renal Disease (402,404)	166	-	-	-	-	-	5	2	17	25	53	64	-
Male	49	-	-	-	-	-	4	1	9	6	16	13	-
Female	117	-	-	-	-	-	1	1	8	19	37	51	-
Ischemic Heart Disease (410-414)	5,457	-	-	-	2	6	52	189	554	1,204	1,734	1,715	1
Male	2,855	-	-	-	-	4	42	146	412	792	903	556	-
Female	2,602	-	-	-	2	2	10	43	142	412	831	1,159	1
Diseases of Pulmonary Circulation (415-417)	168	-	1	-	2	6	1	14	23	34	57	30	-
Male	73	-	-	-	1	1	1	3	16	18	24	9	-
Female	95	-	1	-	1	5	-	11	7	16	33	21	-
All Other Forms of Heart Disease (420-429)	2,063	16	4	1	12	15	19	53	145	364	589	845	-
Male	880	10	3	-	8	9	15	37	88	214	252	244	-
Female	1,183	6	1	1	4	6	4	16	57	150	337	601	-

Residence data

TABLE 33
MALIGNANT NEOPLASM DEATHS
BY SITE OF LESION, AGE-GROUP AND SEX

Site of Lesion and Sex (ICD Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Malignant Neoplasms (All Sites) (140-208).....	4,593	-	7	14	17	40	131	312	842	1,366	1,283	581
Male.....	2,497	-	3	3	11	15	54	153	512	794	709	243
Female.....	2,096	-	4	11	6	25	77	159	330	572	574	338
Lip, Oral Cavity and Pharynx (140-149).....	57	-	-	-	-	-	5	5	12	20	8	7
Male.....	34	-	-	-	-	-	3	2	10	13	3	3
Female.....	23	-	-	-	-	-	2	3	2	7	5	4
Digestive Organs and Peritoneum (150-159).....	1,164	-	-	-	1	3	21	65	180	342	370	182
Male.....	583	-	-	-	1	1	12	38	114	192	161	64
Female.....	581	-	-	-	-	2	9	27	66	150	209	118
Respiratory and Intrathoracic Organs (160-165).....	1,281	-	-	-	1	3	20	102	318	454	306	77
Male.....	903	-	-	-	1	2	9	70	232	317	223	49
Female.....	378	-	-	-	-	1	11	32	86	137	83	28
Breast (174-175).....	363	-	-	-	-	8	23	41	65	100	80	46
Male.....	3	-	-	-	-	-	-	-	3	-	-	-
Female.....	360	-	-	-	-	8	23	41	62	100	80	46
Genital Organs (179-187).....	529	-	-	-	1	6	16	19	70	128	190	99
Male.....	310	-	-	-	-	3	2	2	22	77	135	69
Female.....	219	-	-	-	1	3	14	17	48	51	55	30
Urinary Organs (188-189).....	215	-	-	1	-	1	5	12	35	59	59	33
Male.....	156	-	-	-	-	-	2	8	28	48	54	16
Female.....	59	-	-	1	-	1	3	4	7	11	15	17
Other and Unspecified Sites (170-173, 190-199).....	483	-	4	7	5	12	18	45	92	123	120	57
Male.....	243	-	2	1	2	6	10	20	59	71	59	13
Female.....	240	-	2	6	3	6	8	25	33	52	61	44
Leukemia (204-208).....	218	-	3	6	5	3	10	11	27	57	64	32
Male.....	124	-	1	2	5	1	6	7	20	33	37	12
Female.....	94	-	2	4	-	2	4	4	7	24	27	20
Other Lymphatic and Hematopoietic Tissue (200-203).....	283	-	-	-	4	4	13	12	43	83	76	48
Male.....	141	-	-	-	2	2	10	6	24	43	37	17
Female.....	142	-	-	-	2	2	3	6	19	40	39	31

Residence data

TABLE 34
CEREBROVASCULAR DISEASE DEATHS BY AGE-GROUP AND SEX
KANSAS, 1987

Cause of Death and Sex (ICD Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (430-438)	1,639	-	-	-	5	13	13	31	97	227	582	671
Male	611	-	-	-	2	3	6	12	50	94	262	182
Female	1,028	-	-	-	3	10	7	19	47	133	320	489
Subarachnoid and Intracerebral Hemorrhage and Other and Unspecified Intracranial Hemorrhage (430-432)	257	-	-	-	3	11	10	22	45	59	75	32
Male	106	-	-	-	1	2	5	9	22	26	30	11
Female	151	-	-	-	2	9	5	13	23	33	45	21
Occlusion and Stenosis of Precerebral Arteries (433)	22	-	-	-	-	-	-	-	3	3	8	8
Male	10	-	-	-	-	-	-	-	2	-	4	4
Female	12	-	-	-	-	-	-	-	1	3	4	4
Occlusion of Cerebral Arteries and Transient Cerebral Ischemia (434-435)	227	-	-	-	1	-	1	1	13	26	89	96
Male	96	-	-	-	-	-	-	-	4	9	52	31
Female	131	-	-	-	1	-	1	1	9	17	37	65
Acute but Ill-defined Cerebrovascular Disease (436)	970	-	-	-	-	2	2	7	34	132	360	433
Male	346	-	-	-	-	1	1	3	21	56	158	106
Female	624	-	-	-	-	1	1	4	13	76	202	327
Other and Ill-defined Cerebrovascular Disease (437)	114	-	-	-	1	-	-	1	2	3	37	70
Male	33	-	-	-	1	-	-	-	1	2	13	16
Female	81	-	-	-	-	-	-	1	1	1	24	54
Late Effects of Cerebrovascular Disease (438)	49	-	-	-	-	-	-	-	-	4	13	32
Male	20	-	-	-	-	-	-	-	-	1	5	14
Female	29	-	-	-	-	-	-	-	-	3	8	18

Residence data

TABLE 35
ACCIDENTAL DEATHS BY AGE-GROUP AND SEX
KANSAS, 1987

Cause of Death and Sex (ICD Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
All Accidents (E800-E949)	1,018	15	27	47	208	156	107	60	80	85	109	124
Male	653	10	18	27	149	128	75	48	58	49	46	45
Female	365	5	9	20	59	28	32	12	22	36	63	79
Motor-Vehicle Accidents (E810-E825)	532	3	10	27	171	113	52	23	42	38	42	11
Male	353	1	5	13	121	91	33	17	28	21	19	4
Female	179	2	5	14	50	22	19	6	14	17	23	7
Water Transport Accidents (E830-E838)	8	-	-	-	-	2	4	-	-	-	2	-
Male	8	-	-	-	-	2	4	-	-	-	2	-
Female	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents (E840-E845)	10	-	-	-	-	2	2	4	2	-	-	-
Male	9	-	-	-	-	2	1	4	2	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-
Accidental Poisonings (E850-E869)	40	-	-	-	3	7	12	6	4	2	1	5
Male	21	-	-	-	-	6	7	4	3	-	-	1
Female	19	-	-	-	3	1	5	2	1	2	1	4
Accidental Falls (E880-E888)	144	-	-	1	5	4	4	6	6	18	27	73
Male	67	-	-	1	4	3	4	4	4	11	10	26
Female	77	-	-	-	1	1	-	2	2	7	17	47
Accidents Caused by Fire and Flames (E890-E899)	50	-	6	6	3	2	4	3	5	4	11	6
Male	24	-	3	4	-	2	2	3	3	2	2	3
Female	26	-	3	2	3	-	2	-	2	2	9	3
Accidents Due to Natural and Environmental Factors (E900-E909)	18	-	-	-	2	-	2	2	2	3	5	2
Male	12	-	-	-	1	-	1	2	2	2	4	-
Female	6	-	-	-	1	-	1	-	-	1	1	2
Accidental Drowning and Submersion (E910)	33	1	5	7	7	5	4	2	1	-	1	-
Male	27	1	4	4	7	5	3	1	1	-	1	-
Female	6	-	1	3	-	-	1	1	-	-	-	-
Inhalation and Ingestion of Food Causing Obstruction or Suffocation (E911)	27	-	2	-	1	-	1	1	3	6	4	9
Male	15	-	2	-	-	-	-	1	3	4	2	3
Female	12	-	-	-	1	-	1	-	-	2	2	6
Accidents Caused by Machinery (E919)	24	-	-	-	1	3	5	3	7	3	2	-
Male	23	-	-	-	1	2	5	3	7	3	2	-
Female	1	-	-	-	-	1	-	-	-	-	-	-
Accidents Caused by Electric Current (E925)	16	-	-	1	3	4	6	1	1	-	-	-
Male	15	-	-	1	3	4	5	1	1	-	-	-
Female	1	-	-	-	-	-	1	-	-	-	-	-
Other Accidents (E800-E807, E826-E829, E846-E848, E870-E879, E912-E918, E920-E924, E926-E949)	116	11	4	5	12	14	11	9	7	11	14	18
Male	79	8	4	4	12	11	10	8	4	6	4	8
Female	37	3	-	1	-	3	1	1	3	5	10	10

Residence data

TABLE 36
SELECTED CHRONIC DISEASE DEATHS BY AGE-GROUP AND SEX
KANSAS, 1987

Cause of Death and Sex (ICD Code)	Total	Age-Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total	2,264	4	-	2	-	19	31	69	226	567	745	601
Male	1,199	2	-	2	-	12	18	41	123	341	409	251
Female	1,065	2	-	-	-	7	13	28	103	226	336	350
Diabetes mellitus (250)	409	-	-	-	-	4	8	24	50	111	129	83
Male	161	-	-	-	-	2	5	9	24	46	40	35
Female	248	-	-	-	-	2	3	15	26	65	89	48
Hypertension without mention of Heart Disease (401, 403)	84	-	-	-	-	-	-	1	5	21	29	28
Male	32	-	-	-	-	-	-	1	2	11	9	9
Female	52	-	-	-	-	-	-	-	3	10	20	19
Atherosclerosis (440)	312	-	-	-	-	-	-	1	10	23	82	196
Male	119	-	-	-	-	-	-	1	6	15	35	62
Female	193	-	-	-	-	-	-	-	4	8	47	134
Chronic Obstructive Pulmonary Diseases and Allied Conditions (490-496)	919	-	-	2	-	2	2	19	102	305	348	139
Male	596	-	-	2	-	1	2	10	54	200	241	86
Female	323	-	-	-	-	1	-	9	48	105	107	53
Ulcer of Stomach and Duodenum (531-533)	88	-	-	-	-	3	-	1	4	19	32	29
Male	39	-	-	-	-	2	-	-	3	11	14	9
Female	49	-	-	-	-	1	-	1	1	8	18	20
Chronic Liver Disease and Cirrhosis (571)	156	-	-	-	-	8	16	20	39	48	16	9
Male	100	-	-	-	-	7	8	18	24	33	8	2
Female	56	-	-	-	-	1	8	2	15	15	8	7
Nephritis, Nephrotic, Syndrome, and Nephrosis (580-589)	296	4	-	-	-	2	5	3	16	40	109	117
Male	152	2	-	-	-	-	3	2	10	25	62	48
Female	144	2	-	-	-	2	2	1	6	15	47	69

Residence data

TABLE 37
TEN LEADING CAUSES OF DEATH*
UNDERLYING CAUSE BY CONTRIBUTING CAUSE
KANSAS, 1987

Leading Underlying Causes of Death (ICD Code)	Total Causes	Total	Contributing Causes of Death**									
			Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes mellitus	Atherosclerosis	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis
Leading Causes.....	18,191	9,496	3,189	549	843	425	876	1,075	868	944	-	727
Heart Disease (390-398,402,404-429)...	7,909	3,287	-	328	547	199	493	327	550	521	-	322
Malignant Neoplasms (140-208).....	4,593	2,324	1,212	-	114	106	255	319	114	36	-	168
Cerebrovascular Disease (430-438).....	1,639	1,207	456	48	-	56	45	162	108	288	-	44
Accidents (E800-E949).....	1,018	266	183	13	19	-	10	10	8	4	-	19
Chronic Obstructive Pulmonary Diseases (490-496).....	919	790	426	53	29	26	-	179	30	19	-	28
Pneumonia and Influenza (480-487).....	760	497	253	53	52	12	41	-	24	32	-	30
Diabetes mellitus (250).....	409	523	280	17	60	12	8	22	-	35	-	89
Atherosclerosis (440).....	312	295	193	14	-	6	7	31	17	-	-	27
Suicide (E950-E959).....	336	38	19	7	1	2	5	1	1	2	-	-
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	296	269	167	16	21	6	12	24	16	7	-	-

*The leading underlying causes of death represent 82.7 percent of the total 21,995 resident deaths in 1987.
**Contributing causes represent the frequency with which these causes are indicated on the death certificate as other than the underlying cause of death.
Residence data

TABLE 38
OCCUPATION OF DECEDENT BY
SELECTED CAUSES OF DEATH
KANSAS, 1987

Occupation of Decedent	Total	Selected Cause of Death										
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Accidents	Suicide	Athero-sclerosis	Chronic Liver Disease and Cirrhosis	Homicide and Legal Intervention	Ulcer of Stomach and Duodenum	Hyper-tension	All Other Causes
Total.....	21,995	7,909	4,593	1,639	1,018	336	312	156	114	88	84	5,746
Housewives.....	6,318	2,514	1,094	642	159	19	128	32	10	31	29	1,660
Managerial and Professional Specialty.....	3,168	1,162	745	223	104	49	46	19	6	9	11	794
Technical, Sales and Administrative Support.....	3,051	1,086	787	218	115	50	24	25	10	8	17	711
Operators, Fabricators and Laborers.....	2,409	791	559	135	184	73	21	30	28	8	8	572
Farming, Forestry and Fishing.....	2,298	909	455	176	93	31	46	8	2	11	8	559
Precision Production, Craft and Repair.....	2,269	778	545	121	109	46	25	22	21	9	3	590
Service Workers.....	1,368	500	301	106	49	25	18	11	15	7	6	330
No Occupation.....	210	44	17	8	28	5	3	5	7	3	1	89
Students.....	206	10	21	2	110	23	0	0	8	0	0	32
Children Under 5 Years.....	432	21	7	0	42	0	0	0	5	0	0	357
Other and Not Stated.....	266	94	62	8	25	15	1	4	2	2	1	52

Residence data

TABLE 39
TYPE OF INDUSTRY OF DECEDENT BY SELECTED CAUSES OF DEATH
KANSAS, 1987

Type of Industry	Total	Selected Cause of Death										
		Heart Disease	Malignant Neoplasms	Cerebro-vascular Disease	Accidents	Suicide	Athero-sclerosis	Chronic Liver Disease and Cirrhosis	Homicide and Legal Intervention	Ulcer of Stomach and Duodenum	Hyper-tension	All Other Causes
Total.....	21,995	7,909	4,593	1,639	1,018	336	312	156	114	88	84	5,746
Professional Services.....	2,375	887	535	199	67	42	35	14	11	9	5	571
Agriculture, Forestry and Fisheries.....	2,344	924	459	182	100	31	50	8	2	11	8	569
Manufacturing.....	2,139	760	543	125	108	43	19	19	17	5	7	493
Retail Trade.....	1,805	643	422	154	74	33	17	16	14	5	8	419
Transportation, Communications and Public Utilities..	1,630	570	418	81	82	20	17	15	10	5	9	403
Construction.....	1,238	372	272	63	89	48	8	11	15	8	1	351
Public Administration.....	692	229	184	43	25	13	8	8	4	1	7	170
Business and Repair Services.....	557	201	134	28	33	17	5	8	4	0	2	125
Finance, Insurance and Real Estate.....	532	180	147	29	22	6	8	4	0	2	3	131
Personal Services.....	507	184	96	38	17	7	7	3	3	2	1	149
Wholesale Trade.....	491	182	123	31	23	9	4	4	2	3	2	108
Mining.....	269	102	63	9	15	5	4	4	0	0	0	67
Entertainment and Recreation Services...	87	32	18	5	8	1	2	1	0	0	0	20
Other and N.S.*.....	7,329	2,643	1,179	652	355	61	128	41	32	37	31	2,170

* This category includes housewives, military personnel, students, children and those who were never employed.
Residence data

TABLE 40
SELECTED CAUSES OF DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Cause of Death											
	All Causes	Tuberculosis (010-018)	Syphilis (090-097)	Residual Infectious and Parasitic Diseases (001-009, 020-088, 098-139)	All Malignant Neoplasms (140-208)	Malignant Neoplasms of Digestive Organs and Peritoneum (150-159)	Malignant Neoplasms of Respiratory, Intrathoracic Organs (160-165)	Malignant Neoplasms of Breast (174-175)	Malignant Neoplasms of Genital Organs (179-187)	Malignant Neoplasms of Urinary Organs (188-189)	Leukemia (204-208)	Other Malignant Neoplasms (140-149, 170-173, 190-203)
Kansas.....	21,995	7	2	286	4,593	1,164	1,281	363	529	215	218	823
Allen.....	197	-	-	1	40	11	8	1	5	3	3	9
Anderson.....	118	-	-	1	23	4	10	4	1	1	1	2
Atchison.....	201	-	-	5	26	8	4	3	2	5	2	2
Barber.....	78	-	-	2	19	7	4	1	3	-	-	4
Barton.....	302	-	-	2	66	18	14	9	9	4	4	8
Bourbon.....	179	-	-	2	34	10	14	1	4	-	1	4
Brown.....	164	-	-	2	42	10	9	6	7	1	1	8
Butler.....	393	-	-	5	83	21	27	5	9	1	6	14
Chase.....	30	-	-	1	2	2	-	-	-	-	-	-
Chautauqua...	68	-	-	2	8	-	3	1	-	1	-	3
Cherokee.....	280	-	-	3	53	13	22	2	6	-	4	6
Cheyenne.....	43	-	-	-	5	1	2	-	-	-	1	1
Clark.....	42	-	-	1	13	6	1	2	-	-	-	4
Clay.....	116	-	-	2	32	3	7	5	7	2	3	5
Cloud.....	164	-	-	-	30	13	3	-	5	2	-	7
Coffey.....	124	-	-	-	25	4	12	1	2	2	1	3
Comanche.....	35	-	-	-	8	1	2	1	1	1	-	2
Cowley.....	397	-	-	5	78	18	23	7	10	3	1	16
Crawford.....	485	-	1	9	102	27	24	6	16	3	4	22
Decatur.....	64	-	-	2	14	4	4	2	2	-	-	2
Dickinson....	267	-	-	3	55	12	18	3	3	3	2	14
Doniphan.....	99	-	-	-	15	7	3	-	2	1	1	1
Douglas.....	413	-	-	3	69	19	21	8	8	2	4	7
Edwards.....	45	-	-	-	12	3	1	-	2	1	1	4
Elk.....	52	-	-	-	15	5	5	1	-	-	1	3
Ellis.....	160	-	-	4	40	13	15	-	2	1	4	5
Ellsworth....	76	-	-	3	15	3	5	-	5	-	1	1
Finney.....	147	-	-	1	32	10	7	3	4	1	2	5
Ford.....	214	-	-	-	48	8	14	7	5	2	2	10
Franklin.....	251	-	-	7	38	10	8	5	3	3	2	7
Geary.....	192	-	-	1	48	15	15	4	3	-	2	9
Gove.....	38	-	-	-	9	3	2	1	-	-	-	3
Graham.....	32	-	-	1	9	5	2	-	-	1	1	-
Grant.....	55	-	-	1	8	2	1	-	1	-	-	4
Gray.....	38	-	-	-	11	3	3	1	2	1	1	-
Greeley.....	14	-	-	-	5	1	1	1	-	-	-	2
Greenwood....	133	-	-	1	27	6	7	2	1	-	4	7
Hamilton.....	33	-	-	-	10	4	5	-	-	1	-	-
Harper.....	101	-	-	1	18	5	5	-	3	-	3	2
Harvey.....	314	-	-	2	53	18	7	5	6	3	2	12
Haskell.....	31	-	-	-	12	4	4	-	1	-	1	2
Hodgeman.....	26	-	-	-	6	3	3	-	-	-	-	-
Jackson.....	129	-	-	1	31	8	5	1	5	1	2	9
Jefferson....	145	-	-	1	26	8	8	1	2	1	-	6
Jewell.....	73	-	-	3	10	2	4	-	-	1	-	3
Johnson.....	1,768	1	1	31	452	95	127	45	48	19	21	97
Kearny.....	32	-	-	-	6	1	3	-	1	-	-	1
Kingman.....	100	-	-	2	19	5	8	2	2	-	1	1
Kiowa.....	52	-	-	-	16	6	2	2	-	1	4	1
Labette.....	353	-	-	6	70	14	28	9	6	5	1	7

TABLE 40 (cont.)
SELECTED CAUSES OF DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Cause of Death											
	All Causes	Tuberculosis (010-018)	Syphilis (090-097)	Residual Infectious and Parasitic Diseases (001-009, 020-088, 098-139)	All Malignant Neoplasms (140-208)	Malignant Neoplasms of Digestive Organs and Peritoneum (150-159)	Malignant Neoplasms of Respiratory, Intrathoracic Organs (160-165)	Malignant Neoplasms of Breast (174-175)	Malignant Neoplasms of Genital Organs (179-187)	Malignant Neoplasms of Urinary Organs (188-189)	Leukemia (204-208)	Other Malignant Neoplasms (140-149, 170-173, 190-203)
Lane	23	-	-	1	8	3	4	1	-	-	-	-
Leavenworth	437	1	-	6	109	21	37	5	11	8	7	20
Lincoln	58	-	-	-	9	2	1	-	2	-	-	4
Linn	127	-	-	3	18	6	2	1	7	-	-	2
Logan	50	-	-	-	9	1	2	-	1	-	2	3
Lyon	260	-	-	-	52	11	9	5	10	2	5	10
Marion	180	-	-	1	39	14	7	2	7	3	-	6
Marshall	171	1	-	1	36	9	12	2	2	3	2	6
McPherson	282	-	-	3	54	14	7	1	9	3	3	17
Meade	62	-	-	-	6	3	-	-	2	-	-	1
Miami	253	-	-	3	56	18	21	4	3	-	3	7
Mitchell	102	-	-	-	18	2	3	-	1	1	2	9
Montgomery	507	-	-	10	120	27	44	7	13	5	6	18
Morris	83	-	-	-	10	3	3	1	-	1	-	2
Morton	28	-	-	-	5	2	1	-	-	-	2	-
Nemaha	134	-	-	2	21	5	4	1	3	1	1	6
Neosho	210	-	-	1	48	17	10	2	8	3	3	5
Ness	43	-	-	-	12	3	3	-	1	-	1	4
Norton	84	-	-	-	17	4	2	1	3	3	1	3
Osage	145	-	-	1	32	8	12	3	5	2	1	1
Osborne	95	-	-	-	13	3	1	2	3	-	1	3
Ottawa	79	-	-	1	16	5	7	-	2	-	2	-
Pawnee	87	-	-	1	14	4	2	1	2	1	3	1
Phillips	82	-	-	1	19	5	7	4	2	1	-	-
Pottawatomie	134	-	-	1	23	6	6	3	1	2	1	4
Pratt	105	-	-	1	23	10	4	4	-	1	2	2
Rawlins	53	-	-	-	10	5	1	1	-	1	1	1
Reno	661	-	-	5	118	32	31	6	12	6	7	24
Republic	110	1	-	2	19	3	7	-	7	-	1	1
Rice	155	-	-	2	33	10	9	2	5	-	3	4
Riley	256	-	-	6	49	16	10	3	6	2	4	8
Rooks	89	-	-	2	18	2	4	1	3	1	-	7
Rush	63	-	-	-	8	4	1	1	-	1	1	-
Russell	122	-	-	1	27	6	8	3	2	-	1	7
Saline	454	-	-	6	95	22	23	10	10	3	1	26
Scott	47	-	-	-	10	3	3	1	1	-	2	-
Sedgwick	2,951	1	-	49	606	163	164	62	67	29	25	96
Seward	118	-	-	2	28	6	6	2	6	2	1	5
Shawnee	1,394	1	-	13	289	72	86	23	31	15	11	51
Sheridan	40	-	-	-	9	3	2	-	1	1	2	-
Sherman	75	-	-	-	15	4	6	-	3	-	-	2
Smith	99	-	-	-	16	2	5	2	2	2	-	3
Stafford	70	-	-	-	12	2	4	1	4	-	1	-
Stanton	16	-	-	-	3	1	1	-	-	1	-	-
Stevens	31	-	-	-	4	-	-	-	-	-	1	3
Sumner	278	-	-	5	57	11	16	3	6	8	2	11
Thomas	74	-	-	-	16	3	6	-	-	1	-	6
Trego	48	-	-	-	12	2	1	1	3	-	-	5
Wabaunsee	84	-	-	3	19	5	8	1	3	1	-	1
Wallace	18	-	-	-	5	2	2	-	1	-	-	-
Washington	105	-	-	-	17	4	3	4	4	-	-	2
Wichita	21	-	-	-	3	1	2	-	-	-	-	-
Wilson	157	-	-	1	28	7	9	-	5	-	1	6
Woodson	55	-	-	1	8	3	2	-	2	1	-	-
Wyandotte	1,667	1	-	34	384	85	120	28	43	23	10	15

TABLE 40 (cont.)
SELECTED CAUSES OF DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Cause of Death											
	Diabetes mellitus (250)	Major Cardio-vascular Diseases (390-448)	Diseases of Heart (390-398, 402 404-429)	Rheumatic Fever and Rheumatic Heart Disease (390-398)	Hyperten-sive Heart Disease with or w/out Renal Disease (402,404)	Ischemic Heart Disease (410-414)	Other Heart Disease (415-429)	Hypertension with or w/out Renal Disease (401,403)	Cerebro-vascular Disease (430-438)	Athero-sclerosis (440)	Other Diseases of Arter-ies, Arteri-oles and Capillaries (441-448)	Pneumonia and Influenza (480-487)
Kansas.....	409	10,226	7,909	55	166	5,457	2,231	84	1,639	312	282	760
Allen.....	4	91	75	-	-	38	37	1	11	-	4	1
Anderson.....	4	56	52	-	4	24	24	-	3	-	1	3
Atchison.....	5	110	85	2	1	49	33	-	21	1	3	6
Barber.....	1	38	35	-	-	25	10	-	1	2	-	-
Barton.....	7	151	122	-	2	99	21	2	21	6	-	10
Bourbon.....	3	93	72	1	-	47	24	1	15	3	2	5
Brown.....	3	76	59	-	2	45	12	-	7	5	5	8
Butler.....	9	177	124	-	1	86	37	2	37	10	4	16
Chase.....	-	14	11	-	-	6	5	-	2	-	1	6
Chautauqua...	1	39	31	-	-	23	8	-	5	3	-	2
Cherokee.....	2	139	102	-	2	71	29	5	26	4	2	7
Cheyenne.....	1	30	26	-	1	15	10	-	3	1	-	1
Clark.....	-	18	15	-	-	10	5	-	2	1	-	-
Clay.....	2	54	43	-	-	22	21	1	7	2	1	3
Cloud.....	2	91	68	-	2	60	6	-	17	3	3	9
Coffey.....	-	65	51	-	-	24	27	1	8	-	5	5
Comanche.....	3	19	13	-	-	3	10	1	4	1	-	1
Cowley.....	11	177	129	-	3	89	37	-	37	9	2	16
Crawford.....	11	249	199	-	4	155	40	2	36	4	8	8
Decatur.....	1	30	22	-	-	18	4	-	7	1	-	2
Dickinson....	5	131	104	-	3	70	31	1	22	3	1	16
Doniphan.....	1	52	38	1	2	23	12	-	11	3	-	3
Douglas.....	9	193	143	1	2	107	33	1	36	4	9	21
Edwards.....	2	16	15	1	-	7	7	-	1	-	-	2
Elk.....	-	18	15	-	-	11	4	-	3	-	-	3
Ellis.....	3	71	56	-	-	41	15	1	9	3	2	7
Ellsworth....	-	31	22	-	-	12	10	2	5	1	1	4
Finney.....	1	68	51	-	-	37	14	-	11	4	2	2
Ford.....	3	100	77	1	2	59	15	-	18	2	3	7
Franklin.....	5	123	92	-	-	62	28	1	25	5	2	13
Geary.....	1	70	50	-	4	32	14	2	11	4	3	3
Gove.....	1	14	13	-	-	6	7	-	1	-	-	2
Graham.....	-	15	10	-	-	10	-	-	1	2	2	1
Grant.....	1	28	25	1	1	20	3	-	3	-	-	1
Gray.....	-	17	13	-	-	8	5	-	4	-	-	2
Greeley.....	-	8	7	-	-	7	-	-	1	-	-	-
Greenwood....	1	77	65	-	-	54	11	-	8	1	3	1
Hamilton.....	-	16	12	-	-	11	1	-	4	-	-	-
Harper.....	2	54	44	-	-	28	16	-	6	1	3	3
Harvey.....	7	148	109	1	5	71	32	3	26	5	5	20
Haskell.....	1	13	10	-	1	7	2	-	2	1	-	1
Hodgeman.....	-	8	6	-	-	4	2	-	2	-	-	1
Jackson.....	-	68	51	2	1	33	15	-	12	3	2	6
Jefferson....	5	68	55	-	-	27	28	-	11	2	-	5
Jewell.....	1	38	31	-	-	25	6	1	5	1	-	2
Johnson.....	25	739	585	6	13	391	175	12	108	16	18	59
Kearny.....	-	16	14	-	1	13	-	-	2	-	-	1
Kingman.....	1	56	40	-	3	26	11	-	13	1	2	2
Kiowa.....	-	18	15	-	-	11	4	-	2	-	1	1
Labette.....	3	173	133	-	3	97	33	-	29	4	7	18

TABLE 40 (cont.)
SELECTED CAUSES OF DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Cause of Death											
	Diabetes mellitus (250)	Major Cardio-vascular Diseases (390-448)	Diseases of Heart (390-398, 402 404-429)	Rheumatic Fever and Rheumatic Heart Disease (390-398)	Hyperten-sive Heart Disease with or w/out Renal Disease (402,404)	Ischemic Heart Disease (410-414)	Other Heart Disease (415-429)	Hypertension with or w/out Renal Disease (401,403)	Cerebro-vascular Disease (430-438)	Athero-sclerosis (440)	Other Diseases of Arter-ies, Arteri-oles and Capillaries (441-448)	Pneumonia and Influenza (480-487)
Lane.....	-	9	8	1	-	4	3	-	1	-	-	-
Leavenworth..	10	178	136	2	5	87	42	2	30	4	6	17
Lincoln.....	-	30	25	-	-	15	10	-	3	1	1	6
Linn.....	1	66	55	-	-	42	13	-	9	1	1	3
Logan.....	3	27	24	-	-	21	3	-	2	-	1	2
Lyon.....	3	138	109	1	3	69	36	-	21	3	5	13
Marion.....	2	99	84	-	2	36	46	1	13	1	-	4
Marshall.....	1	90	71	-	-	55	16	1	12	6	-	6
McPherson....	4	150	119	2	3	93	21	1	22	6	2	14
Meade.....	3	38	29	-	-	12	17	1	7	-	1	6
Miami.....	9	126	108	2	-	66	20	4	9	2	3	9
Mitchell.....	1	53	33	-	1	20	12	-	11	6	3	5
Montgomery...	6	234	168	1	1	134	32	3	53	6	4	11
Morris.....	4	44	36	1	-	21	14	-	6	2	-	2
Morton.....	1	14	12	-	-	10	2	-	1	1	-	1
Nemaha.....	-	68	46	-	4	35	7	-	18	2	2	9
Neosho.....	5	92	70	1	1	50	18	-	16	3	3	13
Ness.....	2	24	16	-	-	14	2	3	3	2	-	-
Norton.....	2	41	29	-	2	24	3	-	5	4	3	-
Osage.....	8	75	56	-	1	33	22	2	12	2	3	4
Osborne.....	3	52	38	-	-	20	18	-	6	7	1	4
Ottawa.....	2	41	30	-	-	16	14	-	10	-	1	-
Pawnee.....	1	48	38	1	2	29	6	-	6	2	2	-
Phillips.....	1	39	28	-	-	22	6	-	4	7	-	2
Pottawatomie.	5	62	42	-	-	36	6	-	13	3	4	3
Pratt.....	1	48	30	-	1	18	11	1	6	10	1	4
Rawlins.....	1	25	17	1	-	12	4	-	4	-	3	3
Reno.....	11	353	267	3	1	215	48	1	66	5	14	22
Republic.....	1	59	33	-	-	31	2	-	21	2	3	5
Rice.....	6	54	38	-	1	31	6	1	12	1	2	15
Riley.....	2	118	97	1	-	81	15	1	14	4	2	20
Rooks.....	1	42	36	-	2	26	8	-	2	-	4	5
Rush.....	4	40	28	-	1	19	8	-	10	2	-	-
Russell.....	1	63	47	-	-	38	9	1	8	1	6	3
Saline.....	10	196	155	1	5	114	35	-	30	3	8	18
Scott.....	-	21	16	-	2	6	8	-	5	-	-	-
Sedgwick.....	55	1,341	1,045	9	18	713	305	10	222	26	38	81
Seward.....	1	46	38	-	1	28	9	-	6	2	-	3
Shawnee.....	38	576	427	3	22	269	133	3	109	17	20	49
Sheridan.....	-	22	17	-	-	12	5	-	4	-	1	-
Sherman.....	1	41	33	-	-	21	12	-	1	7	-	1
Smith.....	1	58	44	-	-	27	17	-	10	2	2	2
Stafford.....	1	32	26	-	1	18	7	-	5	-	1	4
Stanton.....	-	6	6	-	-	5	1	-	-	-	-	2
Stevens.....	-	14	11	-	-	10	1	-	3	-	-	-
Sumner.....	5	149	115	1	4	78	32	-	17	13	4	5
Thomas.....	-	35	30	1	-	24	5	-	4	1	-	3
Trego.....	-	27	20	-	-	16	4	-	6	-	1	-
Wabaunsee....	-	37	33	-	-	25	8	-	3	-	1	3
Wallace.....	-	7	6	-	-	4	2	-	1	-	-	1
Washington...	1	59	46	-	1	32	13	1	9	1	2	8
Wichita.....	1	9	7	-	-	5	2	-	2	-	-	1
Wilson.....	6	72	55	1	3	43	9	3	10	3	1	1
Woodson.....	1	29	20	-	-	10	10	-	4	4	1	1
Wyandotte....	35	645	523	5	16	323	179	4	89	15	14	50

TABLE 40 (cont.)
SELECTED CAUSES OF DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Cause of Death												
	Chronic Obstructive Pulmonary Diseases and Allied Conditions (490-496)	Ulcer of Stomach and Duodenum (531-533)	Chronic Liver Disease and Cirrhosis (571)	Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	Complications of Pregnancy, Childbirth and the Puerperium (630-676)	Congenital Anomalies (740-759)	Certain Conditions Originating in the Perinatal Period (760-779)	Symptoms, Signs and Ill-Defined Conditions (780-799)	Motor Vehicle Accidents (E810-E825)	All Other Accidents and Adverse Effects (E800-E807, E826-E949)	Suicide (E950-E959)	Homicide and Legal Intervention (E960-E978)	All Other Causes
Kansas.....	919	88	156	296	1	126	149	417	532	486	336	114	2,074
Allen.....	9	-	3	5	-	2	-	3	7	9	4	-	18
Anderson.....	7	-	1	1	-	1	-	1	1	3	1	1	14
Atchison.....	9	1	1	4	-	1	1	1	7	2	3	-	19
Barber.....	3	-	-	3	-	-	-	1	1	-	-	-	10
Barton.....	18	2	5	-	-	2	-	2	6	3	4	1	22
Bourbon.....	2	1	2	4	-	-	2	5	8	1	1	1	15
Brown.....	4	-	2	3	-	-	1	1	2	2	2	2	14
Butler.....	14	1	2	8	-	1	3	7	14	11	4	4	34
Chase.....	1	1	-	-	-	-	-	1	-	1	-	-	3
Chautauqua...	1	-	1	2	-	-	-	-	-	4	1	1	6
Cherokee.....	9	1	1	5	-	1	1	5	16	7	7	-	22
Cheyenne.....	-	-	-	-	-	-	-	-	2	2	-	-	2
Clark.....	1	1	-	2	-	-	-	-	2	-	-	-	4
Clay.....	4	-	1	2	-	-	-	1	1	-	-	-	14
Cloud.....	8	-	1	-	-	-	1	1	-	1	3	-	16
Coffey.....	7	-	-	2	-	-	1	1	1	4	2	-	10
Comanche.....	-	-	-	1	-	1	-	-	-	-	-	-	2
Cowley.....	14	2	3	11	-	1	1	6	5	13	4	2	48
Crawford.....	19	2	3	9	-	1	-	3	18	4	3	1	42
Decatur.....	2	-	-	1	-	-	-	-	1	1	1	-	9
Dickinson....	9	1	2	6	-	2	-	2	4	4	4	1	22
Doniphan.....	3	1	-	2	-	1	-	1	3	5	-	-	12
Douglas.....	17	2	2	4	-	1	2	12	14	13	6	1	44
Edwards.....	-	1	1	2	-	-	-	-	3	2	-	-	4
Elk.....	1	-	-	4	-	-	-	2	1	2	1	-	5
Ellis.....	4	-	1	2	-	1	-	1	5	1	4	-	16
Ellsworth....	1	1	1	1	-	-	-	-	2	2	-	1	14
Finney.....	7	-	1	1	-	3	1	-	8	6	3	2	10
Ford.....	14	1	2	1	-	1	1	-	9	7	3	-	17
Franklin.....	16	1	1	4	-	3	-	-	3	7	4	2	24
Geary.....	6	3	4	1	-	3	6	-	15	3	6	2	17
Gove.....	3	-	-	1	-	-	-	-	3	-	-	-	5
Graham.....	2	-	-	-	-	-	-	-	-	-	-	-	4
Grant.....	3	1	1	-	-	1	-	-	1	4	1	-	3
Gray.....	2	-	-	-	-	1	-	-	-	-	1	-	4
Greeley.....	-	-	-	-	-	-	-	-	-	-	-	-	1
Greenwood....	7	-	2	-	-	-	-	-	2	-	-	-	12
Hamilton.....	1	-	-	1	-	1	2	-	1	-	1	-	-
Harper.....	4	2	-	1	-	3	-	1	2	2	1	-	7
Harvey.....	17	1	1	5	-	-	1	2	6	8	3	1	39
Haskell.....	-	-	-	-	-	-	-	-	1	-	-	-	3
Hodgeman.....	2	-	-	-	-	-	-	-	7	1	-	-	1
Jackson.....	5	-	1	2	-	-	-	2	5	1	-	-	7
Jefferson....	6	-	1	-	-	-	1	1	10	3	3	2	13
Jewell.....	7	-	-	1	-	-	-	1	-	3	2	-	5
Johnson.....	73	8	11	17	-	11	21	24	35	42	52	6	162
Kearny.....	-	-	-	2	-	-	1	-	5	-	-	-	1
Kingman.....	3	-	1	2	-	-	-	1	-	1	2	-	10
Kiowa.....	2	-	-	2	-	1	-	-	1	3	-	-	8
Labette.....	15	1	3	1	-	4	1	1	6	8	3	1	39

TABLE 40 (cont.)
SELECTED CAUSES OF DEATH
BY COUNTY OF RESIDENCE
KANSAS, 1987

County of Residence	Cause of Death												
	Chronic Obstructive Pulmonary Diseases and Allied Conditions (490-496)	Ulcer of Stomach and Duodenum (531-533)	Chronic Liver Disease and Cirrhosis (571)	Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	Complications of Pregnancy, Childbirth and the Puerperium (630-676)	Congenital Anomalies (740-759)	Certain Conditions Originating in the Perinatal Period (760-779)	Symptoms, Signs and Ill-Defined Conditions (780-799)	Motor Vehicle Accidents (E810-E825)	All Other Accidents and Adverse Effects (E800-E807, E826-E949)	Suicide (E950-E959)	Homicide and Legal Intervention (E960-E978)	All Other Causes
Lane.....	1	-	-	-	-	1	-	-	2	1	-	-	-
Leavenworth..	25	1	3	6	-	5	5	11	3	11	7	2	38
Lincoln.....	-	-	-	2	-	-	-	-	2	1	1	-	7
Linn.....	5	1	-	5	-	-	-	5	4	1	2	-	13
Logan.....	1	-	-	-	-	-	-	-	3	-	-	-	5
Lyon.....	12	-	-	4	-	2	-	3	3	8	2	-	19
Marion.....	6	1	-	1	-	1	-	1	3	5	1	-	16
Marshall.....	4	2	1	3	-	-	-	1	2	7	4	-	13
McPherson....	10	2	2	2	-	2	-	-	-	7	5	-	27
Meade.....	4	-	-	1	-	-	-	1	-	1	-	1	1
Miami.....	8	-	3	3	-	1	-	3	9	5	2	-	16
Mitchell.....	4	1	-	-	-	1	-	3	2	1	1	1	10
Montgomery...	11	3	4	9	-	1	3	32	5	10	7	-	41
Morris.....	4	-	1	1	-	-	-	-	-	2	1	-	14
Morton.....	3	-	-	-	-	-	-	-	-	3	1	-	-
Nemaha.....	9	-	1	1	-	-	-	1	7	2	2	-	11
Neosho.....	8	2	-	3	-	-	-	3	3	2	2	2	26
Ness.....	1	-	-	-	-	-	-	-	1	1	-	-	2
Norton.....	4	-	-	2	-	-	-	5	2	1	-	-	10
Osage.....	3	2	1	1	-	-	-	-	3	4	-	1	10
Osborne.....	5	1	-	-	-	-	2	1	-	6	-	-	8
Ottawa.....	6	-	-	1	-	1	-	2	3	-	1	-	5
Pawnee.....	-	-	1	3	-	-	1	-	2	2	1	-	13
Phillips.....	5	1	-	1	-	-	-	-	3	1	2	-	7
Pottawatomie.	7	-	1	3	-	1	1	2	8	3	1	-	13
Pratt.....	7	-	-	-	-	-	-	3	1	3	3	-	11
Rawlins.....	1	-	1	1	-	-	-	-	2	-	-	-	9
Reno.....	30	2	7	8	-	9	5	3	11	12	11	1	52
Republic.....	3	2	2	-	-	1	1	1	3	4	-	-	7
Rice.....	6	1	1	2	-	-	-	9	3	4	4	-	15
Riley.....	13	-	3	2	-	2	2	3	2	8	1	1	24
Rooks.....	-	-	-	1	-	3	-	1	2	4	1	-	8
Rush.....	4	-	-	-	-	-	-	-	2	-	1	-	4
Russell.....	4	-	-	6	-	1	-	3	2	2	-	-	9
Saline.....	23	3	2	4	-	2	1	5	15	11	4	1	58
Scott.....	5	-	1	2	-	1	-	-	1	-	1	-	5
Sedgwick.....	138	12	25	35	-	21	39	32	74	67	46	33	285
Seward.....	6	1	1	-	-	1	-	2	5	4	8	2	8
Shawnee.....	66	3	10	12	1	6	20	54	36	36	30	5	150
Sheridan.....	1	-	-	-	-	-	1	-	-	-	-	-	7
Sherman.....	1	1	-	1	-	1	1	1	1	-	-	-	10
Smith.....	2	2	-	2	-	1	1	-	-	1	2	-	11
Stafford.....	2	-	-	2	-	2	-	-	3	3	-	-	9
Stanton.....	-	-	-	-	-	1	-	-	1	1	1	-	1
Stevens.....	3	1	1	-	-	-	-	1	4	-	-	-	3
Sumner.....	7	1	1	7	-	1	-	2	12	6	1	-	19
Thomas.....	4	-	-	2	-	-	-	2	2	2	1	-	7
Trego.....	3	-	-	1	-	-	-	-	1	1	2	-	1
Wabaunsee....	6	-	-	-	-	1	-	-	-	4	3	-	8
Wallace.....	2	-	1	1	-	-	-	-	1	-	-	-	-
Washington...	3	2	-	1	-	-	1	1	-	1	-	-	10
Wichita.....	-	1	-	-	-	-	-	-	2	2	-	-	2
Wilson.....	11	-	2	3	-	-	1	-	4	2	3	-	23
Woodson.....	3	1	-	2	-	1	-	1	-	2	-	-	5
Wyandotte....	57	2	18	23	-	7	16	129	28	25	27	32	155

Marriages

MARRIAGE HIGHLIGHTS

- In 1987, 22,220 marriages occurred in Kansas, a decrease of 2.0 percent from the 1986 total of 22,667 marriages. (Table 41)

- The Kansas marriage rate in 1987 was 9.0 marriages per 1,000 population, which was lower than the estimated United States rate of 9.9 marriages per 1,000 population. (Figure 29)

- In almost three-quarters (74.3 percent) of the marriages in 1987, the bride and groom were residents of the same Kansas county. In Kansas during 1987, 8.9 percent of the brides and 12.6 percent of the grooms were out-of-state residents. (Figure 30)

- The greatest number of marriages (4,125) occurred in Sedgwick County, but Geary County had the highest marriage rate of 25.8 marriages per 1,000 population. The least number of marriages (9) occurred in Hodgeman County, but Labette County had the lowest marriage rate of 3.5 marriages per 1,000 population. (Table 41, Figure 31)

- More wedding ceremonies were performed in June than any other month in 1987, with May and August being the second and third most popular months. (Figure 32)

- The highest percentage of those who married in 1987 were between 20 and 24 years of age. (Figure 33)

- Of the 22,220 marriages in 1987, 15.3 percent of the brides and only 5.8 percent of the grooms were under 20 years of age. (Table 42)

- The average age of all brides in 1987 was 27.6 years and that of grooms was 29.9 years. (Figure 34)

- Almost half (49.4 percent) of all the marriages in 1987 were first-time marriages for both partners. Over one-third of the brides (36.8 percent) and grooms (35.2 percent) were previously divorced or marriages were annulled. (Table 43, Figure 35)

- Most of the marriages (96.1 percent) performed in Kansas during 1987 were between partners of the same race. Of the 857 interracial marriages, the most common racial combination (260) was between a black groom and a white bride. (Table 44)

- The majority of brides (84.8 percent) and grooms (86.4 percent) married in Kansas in 1987 were high school graduates or above in educational level. (Table 45)

- Over half (53.5 percent) of the brides and 68.6 percent of the grooms who had completed high school had a spouse in the same educational category. (Table 45)

TABLE 41
MARRIAGES BY NUMBER AND RATE*
BY COUNTY OF MARRIAGE
KANSAS, 1983-1987

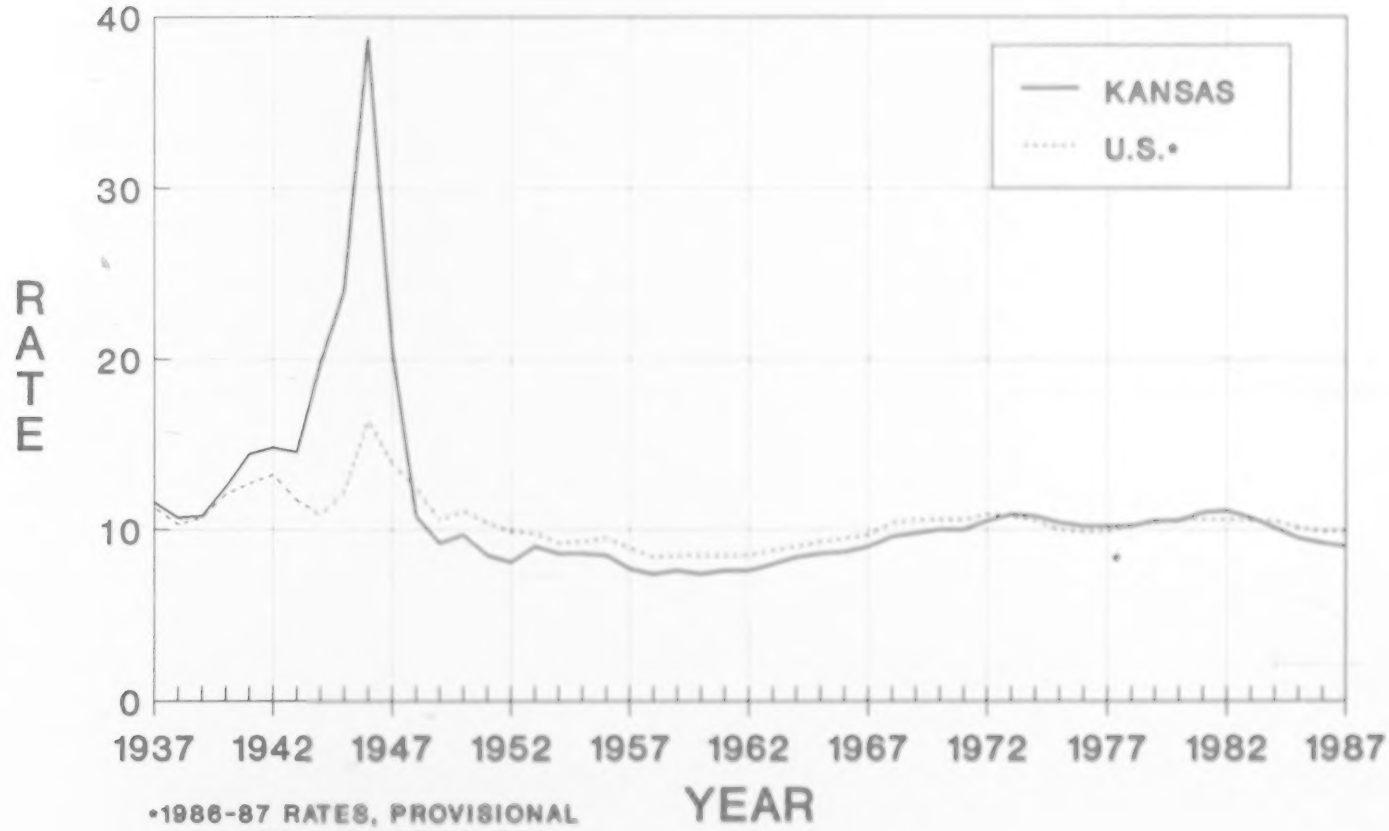
County of Marriage	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Kansas.....	25,817	10.7	24,737	10.1	23,281	9.5	22,667	9.2	22,220	9.0	9.7
Allen.....	140	8.8	170	10.5	142	8.9	108	6.9	92	6.0	8.2
Anderson.....	88	10.0	68	7.7	81	9.6	92	11.2	88	10.7	9.9
Atchison.....	172	9.5	180	9.9	150	8.3	165	9.2	150	8.5	9.1
Barber.....	78	11.1	52	7.3	68	9.7	73	10.6	54	8.2	9.4
Barton.....	342	10.3	398	12.0	350	10.6	295	9.0	271	8.6	10.1
Bourbon.....	200	12.5	145	9.1	146	9.3	138	8.8	117	7.6	9.5
Brown.....	102	8.6	100	8.5	104	9.0	94	8.3	105	9.3	8.8
Butler.....	397	8.4	394	8.4	365	7.7	362	7.5	348	7.1	7.8
Chase.....	28	8.8	17	5.2	27	8.4	23	7.4	33	11.0	8.2
Chautauqua...	69	13.5	48	9.6	56	11.7	43	9.3	36	7.8	10.4
Cherokee.....	179	8.1	161	7.2	176	7.9	133	6.0	160	7.2	7.3
Cheyenne.....	31	8.4	28	7.6	33	9.2	36	10.0	20	5.7	8.2
Clark.....	31	11.5	22	8.1	23	8.5	19	7.3	29	11.2	9.3
Clay.....	89	9.2	86	9.0	83	8.8	92	9.9	68	7.3	8.8
Cloud.....	126	10.2	112	9.2	103	8.7	92	7.9	102	8.9	9.0
Coffey.....	86	8.6	90	9.1	60	6.5	79	8.9	59	6.6	7.9
Comanche.....	30	11.5	31	11.9	13	5.2	18	7.2	20	8.3	8.8
Cowley.....	411	11.1	402	10.7	411	11.0	357	9.6	389	10.5	10.6
Crawford.....	286	7.5	287	7.5	260	6.9	281	7.5	245	6.6	7.2
Decatur.....	81	17.6	50	10.9	50	11.1	41	9.5	45	10.7	12.0
Dickinson....	223	11.2	176	8.8	164	8.3	150	7.6	183	9.2	9.0
Doniphan.....	91	10.0	85	9.3	70	7.7	67	7.4	66	7.3	8.3
Douglas.....	723	10.4	706	10.1	724	10.2	706	9.7	702	9.3	9.9
Edwards.....	46	11.0	43	10.5	29	7.1	22	5.5	21	5.4	7.9
Elk.....	40	10.5	33	8.9	39	10.5	31	8.6	22	6.1	8.9
Ellis.....	301	10.8	285	10.2	238	8.5	219	7.9	247	9.2	9.3
Ellsworth....	54	8.3	45	6.9	33	5.2	46	7.3	53	8.7	7.3
Finney.....	355	12.5	318	11.0	322	10.8	320	10.6	346	11.4	11.3
Ford.....	345	13.5	316	12.2	306	11.7	274	10.4	317	12.0	12.0
Franklin.....	206	9.3	222	9.9	177	8.0	205	9.4	175	7.9	8.9
Geary.....	897	29.1	761	25.0	770	24.8	713	22.9	769	25.8	25.5
Gove.....	37	10.0	34	9.2	33	9.2	31	8.9	17	5.0	8.4
Graham.....	34	8.1	36	8.8	42	10.2	34	8.5	42	11.1	9.3
Grant.....	80	11.6	83	12.2	85	12.5	76	11.0	52	7.6	11.0
Gray.....	50	9.4	41	7.7	55	10.4	45	8.3	43	8.0	8.8
Greeley.....	18	9.5	19	10.6	29	16.1	19	10.6	13	7.2	10.8
Greenwood....	93	10.6	83	9.5	78	9.2	66	8.0	66	8.1	9.1
Hamilton.....	28	10.8	27	10.8	27	10.8	24	9.6	24	9.6	10.3
Harper.....	69	8.7	80	10.3	78	10.1	47	6.3	69	9.2	8.9
Harvey.....	339	10.9	354	11.5	308	10.0	310	10.1	272	8.8	10.3
Haskell.....	44	11.3	40	10.3	35	9.0	51	13.1	39	9.8	10.7
Hodgeman.....	22	9.6	19	8.3	13	5.7	13	5.7	9	4.1	6.6
Jackson.....	82	6.9	97	8.4	84	7.2	76	6.5	96	8.1	7.4
Jefferson....	154	9.8	134	8.4	123	7.7	129	8.1	122	7.4	8.3
Jewell.....	47	9.2	40	8.2	39	8.1	31	6.6	30	6.5	7.7
Johnson.....	2,607	9.1	2,584	8.7	2,529	8.3	2,624	8.2	2,581	7.7	8.4
Kearny.....	55	14.5	44	11.6	44	11.6	32	8.2	30	7.5	10.7
Kingman.....	84	9.2	85	9.3	69	7.7	80	9.0	63	7.1	8.5
Kiowa.....	27	6.6	34	8.5	35	9.0	46	12.1	29	7.6	8.8
Labette.....	172	6.6	191	7.4	192	7.5	136	5.4	90	3.5	6.1
Lane.....	18	7.2	22	8.8	24	9.6	11	4.4	15	6.3	7.3
Leavenworth..	539	9.3	485	8.3	497	8.4	567	9.4	526	8.1	8.7
Lincoln.....	30	7.5	26	6.7	21	5.5	23	6.2	24	6.7	6.5
Linn.....	61	7.4	56	6.7	45	5.5	53	6.5	57	7.0	6.6
Logan.....	32	9.1	35	10.3	34	10.3	39	12.2	28	8.5	10.1

TABLE 41 (cont.)
MARRIAGES BY NUMBER AND RATE*
BY COUNTY OF MARRIAGE
KANSAS, 1983-1987

County of Marriage	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Lyon	420	11.4	443	11.8	335	9.3	336	9.6	301	8.6	10.1
Marion	121	9.1	106	7.9	94	7.1	88	6.7	89	7.0	7.5
Marshall	126	9.8	126	9.9	118	9.4	118	9.2	106	8.5	9.4
McPherson	289	10.5	227	8.2	239	8.6	184	6.7	206	7.5	8.3
Meade	57	12.1	61	13.0	49	10.4	38	8.3	36	8.2	10.4
Miami	207	9.4	192	8.6	178	7.9	192	8.5	180	7.8	8.4
Mitchell	69	8.6	98	12.3	65	8.3	50	6.5	64	8.5	8.8
Montgomery	423	9.8	394	9.3	385	9.3	362	8.8	349	8.5	9.1
Morris	69	10.6	48	7.5	64	10.2	47	7.5	45	7.1	8.6
Morton	38	10.6	43	12.3	27	7.7	30	8.6	34	9.7	9.8
Nemaha	107	9.6	98	8.8	83	7.5	108	9.9	76	7.0	8.6
Neosho	170	8.8	167	8.6	185	9.6	119	6.3	132	7.2	8.1
Ness	43	9.1	41	8.7	45	9.8	30	6.7	30	7.0	8.3
Norton	71	10.8	81	12.3	57	8.9	61	9.7	52	8.0	9.9
Osage	166	10.4	153	9.5	130	8.3	127	8.1	98	6.2	8.5
Osborne	48	8.3	49	8.6	32	5.8	35	6.5	35	6.5	7.1
Ottawa	47	8.0	53	9.0	48	8.3	43	7.4	48	8.3	8.2
Pawnee	81	9.8	73	9.0	75	9.5	65	8.6	49	6.4	8.7
Phillips	68	9.3	72	10.0	69	9.7	55	8.0	52	7.5	8.9
Pottawatomie	118	7.5	124	7.8	130	8.3	103	6.6	101	6.4	7.3
Pratt	128	11.6	103	9.4	94	8.5	101	9.3	90	8.7	9.5
Rawlins	33	8.0	36	9.2	26	6.8	29	7.6	29	7.8	7.9
Reno	776	11.9	713	11.0	676	10.4	698	10.7	611	9.4	10.7
Republic	74	10.1	80	11.0	66	9.2	58	8.2	70	10.0	9.7
Rice	118	10.1	94	8.1	111	9.8	90	8.0	84	7.6	8.7
Riley	570	8.9	483	7.4	467	7.3	471	7.4	465	7.5	7.7
Rooks	75	10.4	76	10.9	62	9.0	62	9.1	36	5.6	9.0
Rush	32	7.1	39	8.9	30	7.0	21	5.0	29	7.4	7.1
Russell	80	8.7	93	10.2	65	7.3	76	8.8	61	7.3	8.5
Saline	659	13.2	582	11.5	506	10.1	505	10.1	575	11.4	11.3
Scott	61	10.5	61	10.3	39	6.7	51	8.8	50	8.9	9.1
Sedgwick	4,764	12.6	4,440	11.6	4,243	11.0	4,178	10.7	4,125	10.5	11.3
Seward	270	14.8	248	13.7	252	13.5	221	11.7	257	13.7	13.5
Shawnee	1,647	10.4	1,706	10.7	1,519	9.5	1,521	9.5	1,457	9.0	9.8
Sheridan	37	10.6	21	6.2	19	5.6	16	4.8	21	6.4	6.7
Sherman	71	9.3	73	9.7	76	10.3	62	8.6	66	9.4	9.5
Smith	55	9.5	47	8.4	51	9.1	33	6.0	45	8.2	8.2
Stafford	63	10.9	54	9.3	55	9.6	35	6.1	37	6.9	8.6
Stanton	21	8.4	22	9.2	24	10.0	16	6.7	21	8.8	8.6
Stevens	52	10.8	41	8.5	43	9.0	46	9.4	35	7.1	9.0
Sumner	277	10.9	267	10.6	254	10.1	240	9.4	255	10.1	10.2
Thomas	96	10.8	62	7.0	63	7.2	58	6.7	62	7.4	7.8
Trego	31	7.2	27	6.1	37	8.8	28	6.8	24	6.2	7.0
Wabaunsee	70	10.3	53	7.8	51	7.5	44	6.6	45	6.6	7.8
Wallace	14	7.0	18	9.5	16	8.0	12	6.3	20	10.0	8.1
Washington	66	8.0	56	7.0	67	8.6	67	8.9	46	6.2	7.8
Wichita	26	8.7	23	7.9	24	8.3	26	9.0	24	8.3	8.4
Wilson	106	8.8	116	9.8	83	7.1	87	7.4	79	6.8	8.0
Woodson	40	8.7	35	7.4	30	6.8	31	7.2	28	6.8	7.4
Wyandotte	1,858	10.8	1,939	11.2	1,732	10.0	1,736	10.0	1,721	9.9	10.4

*Rate per 1,000 population

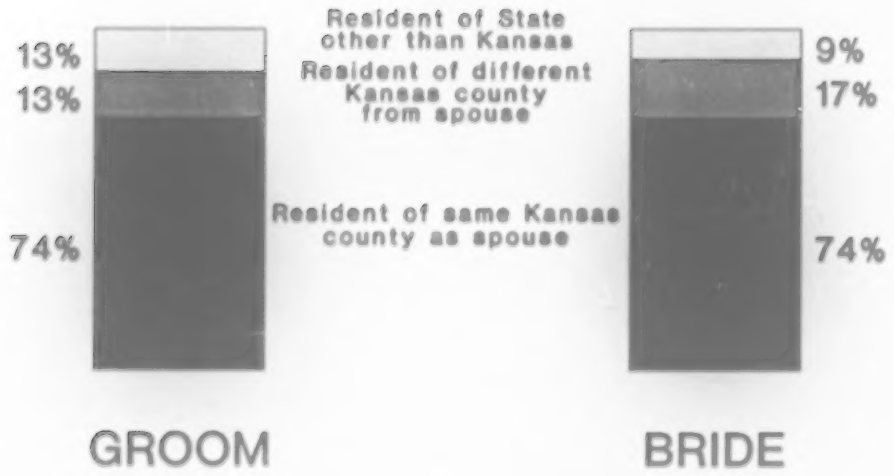
MARRIAGE RATES
KANSAS AND THE U.S., 1937-1987



•1986-87 RATES, PROVISIONAL
RATE PER 1,000 POPULATION
OCCURRENCE DATA

Figure 29

MARRIAGES BY CATEGORY OF RESIDENCE
OF BRIDE AND GROOM
KANSAS, 1987

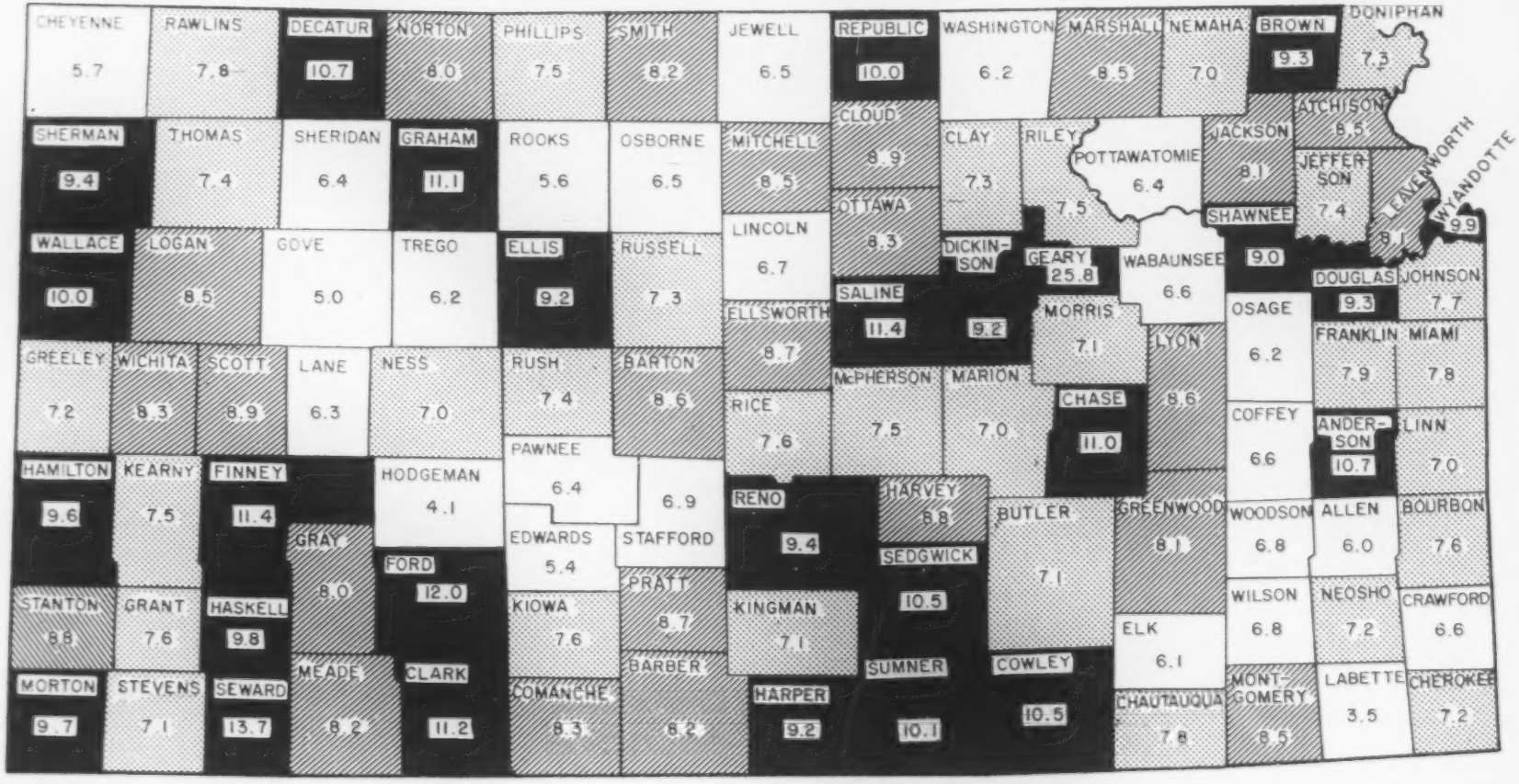


OCCURRENCE DATA

Figure 30

MARRIAGE RATES BY COUNTY OF MARRIAGE

KANSAS, 1987



MARRIAGES PER 1,000 POPULATION

STATE RATE: 9.0

Under 7.0

8.0-8.9

7.0-7.9

9.0 & over

Figure 31

NUMBER OF MARRIAGES BY MONTH
KANSAS, 1987

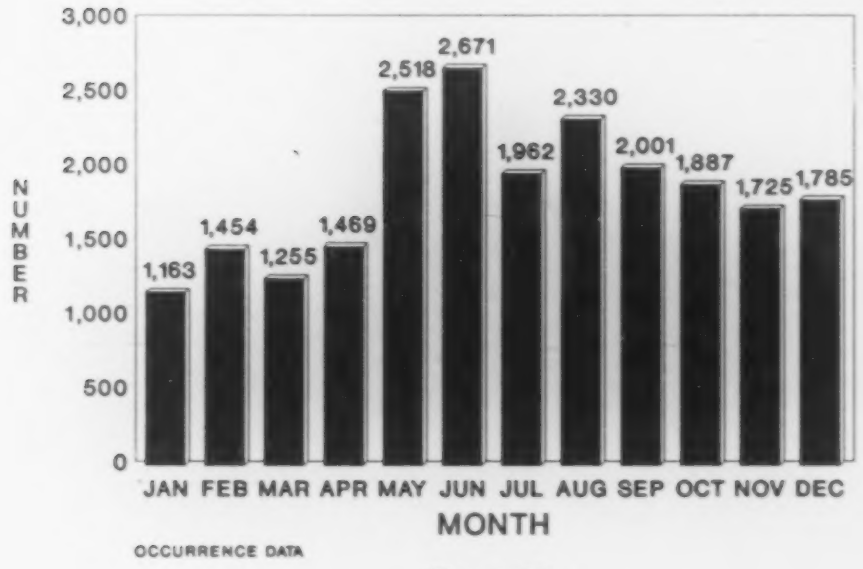


Figure 32

MARRIAGES:
PERCENT DISTRIBUTION BY AGE-GROUP
KANSAS, 1987

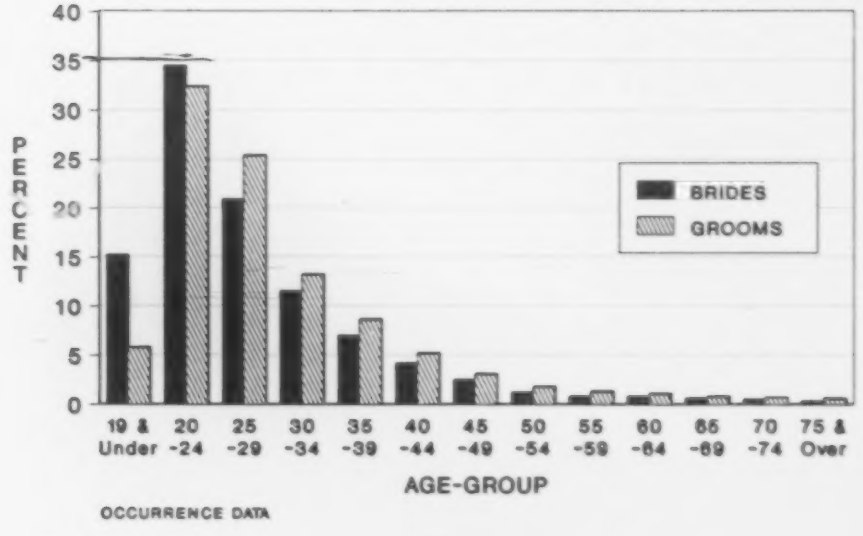


Figure 33

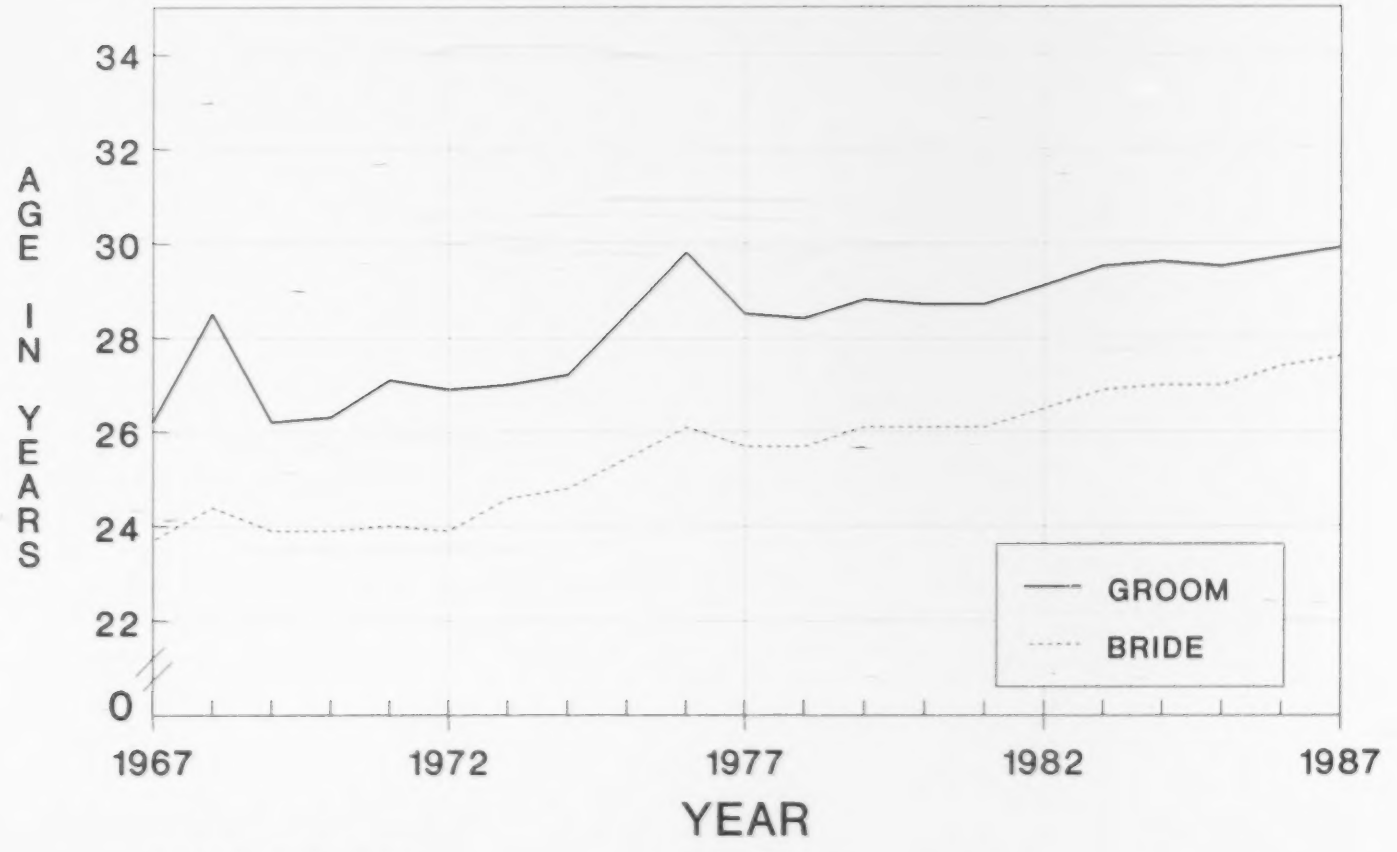
TABLE 42
MARRIAGES BY AGE-GROUP OF BRIDE BY AGE-GROUP OF GROOM
KANSAS, 1987

Age-Group of Groom	Total	Age-Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	22,220	10	3,375	7,644	4,630	2,557	1,557	917	553	270	168	181	139	98	66	55
Under 15.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-19.....	1,284	7	917	292	45	12	6	2	-	-	-	1	-	-	-	2
20-24.....	7,174	1	1,972	4,166	765	190	53	11	1	2	-	-	-	-	-	13
25-29.....	5,643	2	396	2,387	2,048	588	169	28	7	3	1	1	1	1	-	11
30-34.....	2,925	-	55	553	1,054	826	305	99	20	5	4	-	-	-	-	4
35-39.....	1,910	-	24	152	469	554	472	158	64	6	5	1	-	-	-	5
40-44.....	1,152	-	5	52	152	233	306	270	107	22	1	2	1	-	-	1
45-49.....	694	-	-	18	62	91	160	181	136	36	5	2	2	1	-	-
50-54.....	395	-	1	7	15	33	53	78	110	61	19	15	2	1	-	-
55-59.....	283	-	1	-	7	18	19	43	45	67	43	31	4	3	1	1
60-64.....	245	-	-	2	3	6	7	27	36	43	42	45	24	8	1	1
65-69.....	176	-	-	1	2	1	4	9	18	15	23	45	38	16	3	1
70-74.....	156	-	-	-	1	1	1	4	5	6	16	27	43	40	12	-
75 & Over....	132	-	-	1	1	-	1	2	4	4	8	11	23	27	49	1
Not Stated...	51	-	4	13	6	4	1	5	-	-	1	-	1	1	-	15

Occurrence data

AVERAGE AGE AT MARRIAGE

KANSAS, 1967-1987



OCCURRENCE DATA

Figure 34

TABLE 43
MARRIAGES BY PREMARITAL STATUS OF BRIDE
BY PREMARITAL STATUS OF GROOM
KANSAS, 1987

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Widowed	Divorced	Annulled	Not Stated
Total.....	22,220	13,187	769	7,978	137	149
Never Married....	13,611	10,861	97	2,529	58	66
Divorced.....	7,669	2,190	318	5,060	63	38
Annulled.....	123	56	5	50	11	1
Widowed.....	713	49	346	307	5	6
Not Stated.....	104	31	3	32	0	38

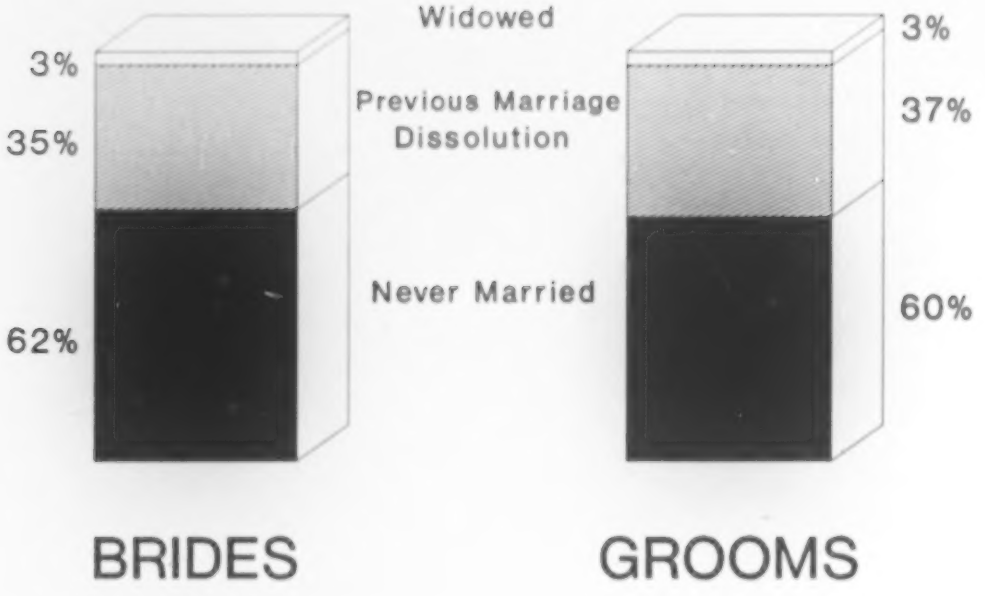
Occurrence data

TABLE 44
MARRIAGES BY RACE OF BRIDE BY RACE OF GROOM
KANSAS, 1987

Race of Groom	Total	Race of Bride			
		White	Black	Other	Not Stated
Total.....	22,220	20,373	1,331	446	70
White.....	20,227	19,855	78	254	40
Black.....	1,539	260	1,246	24	9
Other.....	403	229	7	167	0
Not Stated.....	51	29	0	1	21

Occurrence data

PREMARITAL STATUS OF BRIDE AND GROOM
KANSAS, 1987



OCCURRENCE DATA

Figure 35

TABLE 45
MARRIAGES BY EDUCATION OF BRIDE BY EDUCATION OF GROOM
KANSAS, 1987

Education of Bride	Total	Education of Groom																		
		Elementary									Secondary				College					Not Stated
		0	1	2	3	4	5	6	7	8	1	2	3	4	1	2	3	4	5+	
Total	22,220	-	3	11	29	10	17	87	47	393	404	719	1,277	8,896	2,145	2,305	1,033	2,630	2,050	164
Elementary																				
0 years.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 years.....	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
2 years.....	7	-	-	2	-	-	1	-	-	-	-	-	-	2	-	1	-	-	-	1
3 years.....	12	-	-	1	4	1	-	1	-	1	1	-	-	1	-	2	-	-	-	-
4 years.....	10	-	-	-	-	1	2	-	-	2	2	-	-	2	-	1	-	-	-	-
5 years.....	10	-	-	-	-	-	2	1	-	1	-	1	-	-	1	-	1	-	1	2
6 years.....	39	-	-	-	2	1	1	12	5	2	-	3	-	8	-	2	-	2	1	-
7 years.....	29	-	-	-	1	-	1	-	5	1	1	5	5	8	1	1	-	-	-	-
8 years.....	332	-	1	2	3	4	3	7	1	61	23	27	38	122	11	15	4	4	3	3
Secondary																				
1 years.....	534	-	-	-	5	-	-	9	6	26	54	48	70	239	28	26	6	5	4	8
2 years.....	942	-	-	1	4	-	3	6	7	34	43	111	132	444	71	48	10	15	8	5
3 years.....	1,430	-	-	1	2	1	1	14	6	48	56	103	270	645	103	96	33	30	13	8
4 years.....	8,512	-	1	3	6	-	3	27	14	159	155	284	480	4,746	828	775	292	441	252	46
College																				
1 years.....	2,778	-	1	-	1	-	-	2	1	23	32	52	131	1,066	477	402	161	249	168	12
2 years.....	2,307	-	-	1	1	2	-	3	-	12	22	47	65	728	262	424	152	357	222	9
3 years.....	1,079	-	-	-	-	-	-	1	1	8	5	11	33	244	113	142	131	213	170	7
4 years.....	2,565	-	-	-	-	-	-	2	-	8	4	16	32	422	163	234	153	964	561	6
5+ years.....	1,460	-	-	-	-	-	-	-	-	4	5	4	16	176	77	119	86	335	636	2
Not Stated...	173	-	-	-	-	-	-	2	1	3	1	6	5	43	10	17	4	15	11	55

Occurrence data

Marriage Dissolutions

MARRIAGE DISSOLUTION HIGHLIGHTS

- In 1987, 12,218 marriage dissolutions (11,987 divorces and 231 annulments) occurred in Kansas, a decrease of 1.2 percent from the 1986 total of 12,364. (Table 46)

- The Kansas marriage dissolution rate in 1987 was 4.9 marriage dissolutions per 1,000 population, which was higher than the estimated United States rate of 4.8 marriage dissolutions per 1,000 population. The Kansas rate has been significantly higher than the United States rate since 1952. (Figure 36)

- The greatest number of marriage dissolutions (2,735) occurred in Sedgwick County, but Geary County had the highest marriage dissolution rate (14.0) per 1,000 population. The least number of marriage dissolutions (5) occurred in both Gove and Sheridan County. Gove County also had one of the lowest marriage dissolution rates (1.5) per 1,000 population. (Table 46, Figure 37)

- The most common age group for both husbands and wives involved in marriage dissolutions was 25-29 years. (Table 47, Figure 38)

- The average age at marriage dissolution in 1987 was 32.4 years for wives and 35.0 years for husbands. (Figure 39)

- Two thirds of marriage dissolutions were to couples seeking their first divorce or annulment. The remaining one-third of marriage dissolutions were granted to couples in which at least 1 partner was involved in a previous dissolution. (Table 48, Figure 40)

- In 1987, 45.4 percent of marriages lasted 4 years or less. (Table 49, Figure 41)

- The average duration of marriages ending in divorce during 1987 was 8.3 years. The average duration of marriages ending in annulment during 1987 was 2.1 years. (Figure 42)

- There were 13,281 minor children involved as a result of marriage dissolutions in 1987. At least one minor child was reported in over half (57.1 percent) of the marriage dissolutions. (Table 50, Figure 43)

- Most of the marriage dissolutions (97.0 percent) occurring in Kansas during 1987 were between a husband and wife of the same race. (Table 51)

- Of the marriage dissolutions occurring in 1987, 33.9 percent of the husbands and 32.9 percent of the wives involved had at least 1 year of college level education. (Table 52)

- Seventy (69.9) percent of the marriage dissolutions during 1987 involved couples with the same educational level. (Table 52)

TABLE 46
MARRIAGE DISSOLUTIONS BY NUMBER AND RATE*
BY COUNTY OF ACTION
KANSAS, 1983-1987

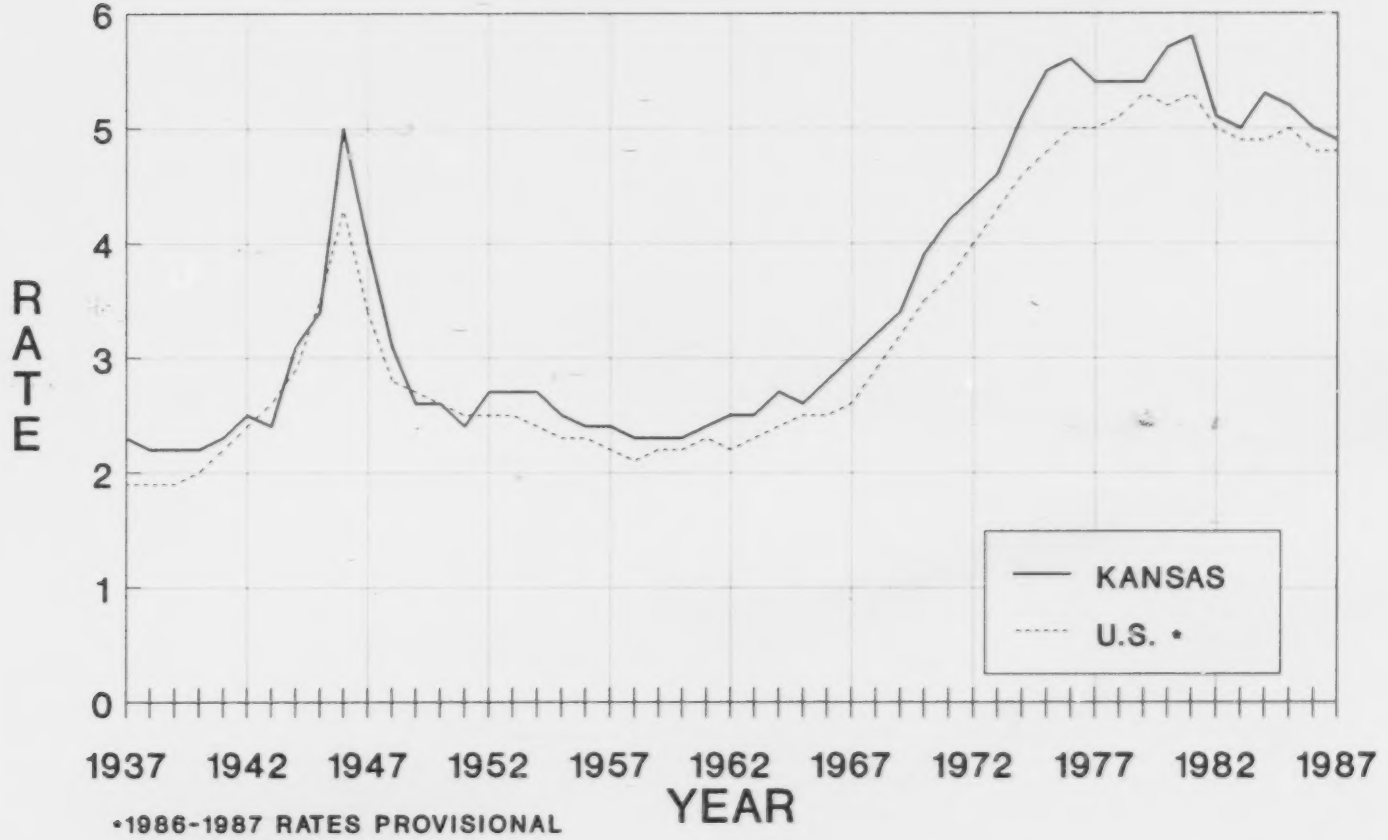
County of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Kansas.....	12,207	5.0	12,905	5.3	12,794	5.2	12,364	5.0	12,218	4.9	5.1
Allen.....	105	6.6	108	6.7	100	6.3	91	5.8	100	6.5	6.4
Anderson.....	36	4.1	39	4.4	39	4.6	43	5.2	42	5.1	4.7
Atchison.....	96	5.3	98	5.4	79	4.4	112	6.3	86	4.9	5.2
Barber.....	23	3.3	27	3.8	42	6.0	36	5.2	24	3.6	4.4
Barton.....	175	5.3	180	5.4	155	4.7	197	6.0	141	4.5	5.2
Bourbon.....	100	6.3	86	5.4	117	7.5	108	6.9	84	5.5	6.3
Brown.....	51	4.3	51	4.4	52	4.5	53	4.7	32	2.8	4.1
Butler.....	207	4.4	209	4.4	194	4.1	168	3.5	163	3.3	3.9
Chase.....	6	1.9	7	2.1	9	2.8	13	4.2	8	2.7	2.7
Chautauqua...	18	3.5	25	5.0	25	5.2	18	3.9	16	3.5	4.2
Cherokee.....	128	5.8	121	5.4	117	5.2	116	5.2	107	4.8	5.3
Cheyenne.....	15	4.1	15	4.1	10	2.8	12	3.3	9	2.6	3.4
Clark.....	3	1.1	2	0.7	5	1.9	8	3.1	7	2.7	1.9
Clay.....	34	3.5	41	4.3	32	3.4	35	3.8	34	3.7	3.7
Cloud.....	49	4.0	53	4.3	23	1.9	45	3.8	41	3.6	3.5
Coffey.....	79	7.9	84	8.5	74	8.0	61	6.9	60	6.7	7.6
Comanche.....	13	5.0	7	2.7	9	3.6	8	3.2	10	4.2	3.7
Cowley.....	233	6.3	267	7.1	270	7.3	246	6.6	259	7.0	6.9
Crawford.....	187	4.9	205	5.4	187	4.9	215	5.7	184	4.9	5.2
Decatur.....	11	2.4	24	5.2	20	4.4	26	6.0	16	3.8	4.4
Dickinson....	88	4.4	87	4.4	88	4.4	92	4.6	79	4.0	4.4
Doniphan.....	26	2.9	47	5.2	36	4.0	41	4.5	26	2.9	3.9
Douglas.....	341	4.9	385	5.5	378	5.3	354	4.9	377	5.0	5.1
Edwards.....	12	2.9	27	6.6	27	6.6	12	3.0	16	4.1	4.6
Elk.....	16	4.2	14	3.8	17	4.6	21	5.8	17	4.7	4.6
Ellis.....	136	4.9	143	5.1	149	5.3	133	4.8	134	5.0	5.0
Ellsworth....	18	2.8	17	2.6	20	3.2	38	6.0	21	3.4	3.6
Finney.....	185	6.5	188	6.5	185	6.2	213	7.0	226	7.4	6.7
Ford.....	146	5.7	171	6.6	148	5.7	133	5.1	119	4.5	5.5
Franklin.....	110	5.0	104	4.6	134	6.0	113	5.2	109	4.9	5.1
Geary.....	383	12.4	363	11.9	352	11.3	375	12.1	417	14.0	12.3
Gove.....	7	1.9	4	1.1	8	2.2	6	1.7	5	1.5	1.7
Graham.....	20	4.8	26	6.3	22	5.4	9	2.3	26	6.8	5.1
Grant.....	47	6.8	45	6.6	46	6.8	33	4.8	30	4.4	5.9
Gray.....	18	3.4	21	4.0	23	4.3	17	3.1	17	3.1	3.6
Greeley.....	20	10.5	11	6.1	12	6.7	6	3.3	6	3.3	6.0
Greenwood....	34	3.9	42	4.8	39	4.6	36	4.4	37	4.6	4.4
Hamilton.....	8	3.1	14	5.6	16	6.4	10	4.0	11	4.4	4.7
Harper.....	32	4.1	39	5.0	25	3.2	38	5.1	49	6.5	4.8
Harvey.....	128	4.1	27	0.9	48	1.6	52	1.7	90	2.9	2.2
Haskell.....	16	4.1	13	3.3	14	3.6	22	5.6	15	3.8	4.1
Hodgeman.....	6	2.6	8	3.5	9	3.9	8	3.5	10	4.5	3.6
Jackson.....	43	3.6	54	4.7	44	3.8	41	3.5	45	3.8	3.9
Jefferson....	44	2.8	53	3.3	47	3.0	44	2.8	44	2.7	2.9
Jewell.....	13	2.5	19	3.9	29	6.0	17	3.6	12	2.6	3.7
Johnson.....	1,081	3.8	1,182	4.0	1,143	3.7	1,175	3.7	1,169	3.5	3.7
Kearny.....	18	4.7	12	3.2	17	4.5	14	3.6	13	3.3	3.8
Kingman.....	31	3.4	35	3.8	54	6.0	38	4.3	32	3.6	4.2
Kiowa.....	17	4.1	12	3.0	18	4.6	15	3.9	9	2.4	3.6
Labette.....	130	5.0	122	4.7	125	4.9	138	5.4	151	5.9	5.2
Lane.....	6	2.4	10	4.0	6	2.4	11	4.4	7	2.9	3.2
Leavenworth..	327	5.6	358	6.1	345	5.8	322	5.3	364	5.6	5.7
Lincoln.....	12	3.0	9	2.3	6	1.6	11	3.0	10	2.8	2.5
Linn.....	45	5.5	41	4.9	66	8.0	42	5.1	35	4.3	5.6
Logan.....	14	4.0	19	5.6	13	3.9	10	3.1	14	4.2	4.2

TABLE 46 (cont.)
MARRIAGE DISSOLUTIONS BY NUMBER AND RATE*
BY COUNTY OF ACTION
KANSAS, 1983-1987

County of Residence	Year										5-Year Rate
	1983		1984		1985		1986		1987		
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
Lyon.....	202	5.5	184	4.9	176	4.9	156	4.4	144	4.1	4.8
Marion.....	42	3.2	48	3.6	41	3.1	43	3.3	41	3.2	3.3
Marshall.....	39	3.0	31	2.4	30	2.4	29	2.3	32	2.6	2.5
McPherson....	100	3.6	121	4.4	91	3.3	103	3.7	82	3.0	3.6
Meade.....	15	3.2	19	4.0	28	6.0	23	5.0	13	3.0	4.2
Miami.....	101	4.6	100	4.5	88	3.9	125	5.5	103	4.5	4.6
Mitchell.....	29	3.6	18	2.3	18	2.3	15	1.9	22	2.9	2.6
Montgomery...	261	6.1	289	6.8	227	5.5	292	7.1	282	6.9	6.5
Morris.....	28	4.3	23	3.6	23	3.7	24	3.8	28	4.4	4.0
Morton.....	15	4.2	19	5.4	17	4.9	22	6.3	11	3.1	4.8
Nemaha.....	20	1.8	28	2.5	16	1.5	29	2.7	22	2.0	2.1
Neosho.....	66	3.4	78	4.0	86	4.5	91	4.8	88	4.8	4.3
Ness.....	13	2.8	17	3.6	16	3.5	19	4.2	16	3.7	3.6
Norton.....	29	4.4	20	3.0	31	4.8	30	4.8	31	4.8	4.4
Osage.....	53	3.3	54	3.4	48	3.1	42	2.7	48	3.0	3.1
Osborne.....	20	3.4	19	3.3	18	3.3	14	2.6	14	2.6	3.0
Ottawa.....	29	4.9	25	4.2	33	5.7	29	5.0	31	5.3	5.0
Pawnee.....	42	5.1	41	5.1	49	6.2	25	3.3	31	4.1	4.7
Phillips.....	30	4.1	19	2.6	23	3.2	24	3.5	34	4.9	3.7
Pottawatomie.	70	4.5	58	3.7	70	4.5	53	3.4	50	3.1	3.8
Pratt.....	75	6.8	65	6.0	63	5.7	63	5.8	54	5.2	5.9
Rawlins.....	7	1.7	6	1.5	5	1.3	14	3.7	16	4.3	2.5
Reno.....	424	6.5	414	6.4	378	5.8	370	5.7	302	4.6	5.8
Republic.....	12	1.6	28	3.8	22	3.1	14	2.0	16	2.3	2.6
Rice.....	19	1.6	21	1.8	30	2.7	25	2.2	19	1.7	2.0
Riley.....	234	3.7	201	3.1	155	2.4	158	2.5	290	4.7	3.3
Rooks.....	22	3.1	17	2.4	11	1.6	24	3.5	23	3.6	2.8
Rush.....	6	1.3	11	2.5	12	2.8	5	1.2	8	2.1	2.0
Russell.....	33	3.6	41	4.5	40	4.5	21	2.4	33	4.0	3.8
Saline.....	287	5.8	365	7.2	335	6.7	293	5.9	312	6.2	6.3
Scott.....	33	5.7	35	5.9	26	4.5	20	3.4	23	4.1	4.7
Sedgwick.....	2,865	7.6	2,847	7.4	3,046	7.9	2,863	7.3	2,735	6.9	7.4
Seward.....	108	5.9	129	7.1	113	6.0	134	7.1	128	6.8	6.6
Shawnee.....	794	5.0	851	5.3	871	5.5	730	4.5	676	4.2	4.9
Sheridan.....	10	2.9	2	0.6	4	1.2	8	2.4	5	1.5	1.7
Sherman.....	37	4.9	45	6.0	42	5.7	42	5.8	35	5.0	5.5
Smith.....	14	2.4	11	2.0	14	2.5	17	3.1	20	3.6	2.7
Stafford.....	18	3.1	22	3.8	22	3.9	23	4.0	11	2.0	3.4
Stanton.....	12	4.8	15	6.3	15	6.3	17	7.1	14	5.8	6.0
Stevens.....	23	4.8	32	6.7	29	6.0	33	6.7	32	6.5	6.2
Sumner.....	81	3.2	76	3.0	91	3.6	58	2.3	65	2.6	2.9
Thomas.....	36	4.0	44	5.0	43	4.9	30	3.5	38	4.5	4.4
Trego.....	12	2.8	14	3.2	8	1.9	19	4.6	6	1.5	2.8
Wabaunsee....	20	2.9	20	2.9	22	3.2	17	2.5	23	3.4	3.0
Wallace.....	5	2.5	5	2.5	4	2.0	4	2.1	7	3.5	2.5
Washington...	10	1.2	21	2.6	12	1.5	17	2.3	15	2.0	1.9
Wichita.....	10	3.3	11	3.8	9	3.1	10	3.4	10	3.4	3.4
Wilson.....	55	4.6	80	6.8	75	6.4	59	5.0	63	5.4	5.6
Woodson.....	26	5.7	21	4.5	15	3.4	16	3.7	15	3.7	4.2
Wyandotte....	568	3.3	873	5.1	885	5.1	821	4.7	936	5.4	4.7

*Rate per 1,000 population

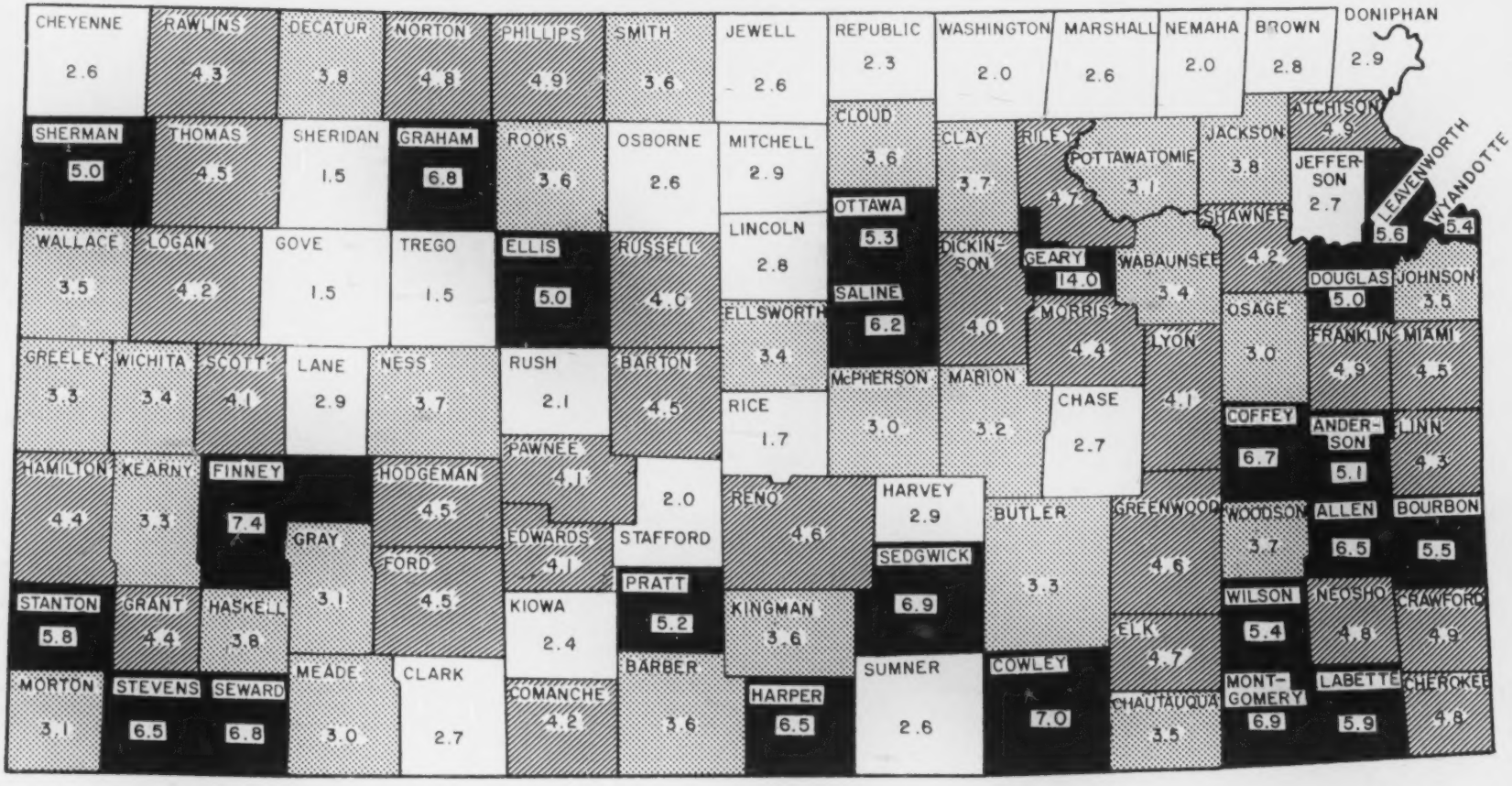
MARRIAGE DISSOLUTION RATES
KANSAS AND THE U.S., 1937-1987



•1986-1987 RATES PROVISIONAL
RATE PER 1000 POPULATION
OCCURRENCE DATA

Figure 36

MARRIAGE DISSOLUTION RATES
BY COUNTY OF ACTION
KANSAS, 1987



MARRIAGE DISSOLUTIONS PER 1,000 POPULATION

STATE RATE :4.9

Under 3.0

4.0-4.9

3.0-3.9

5.0 & over

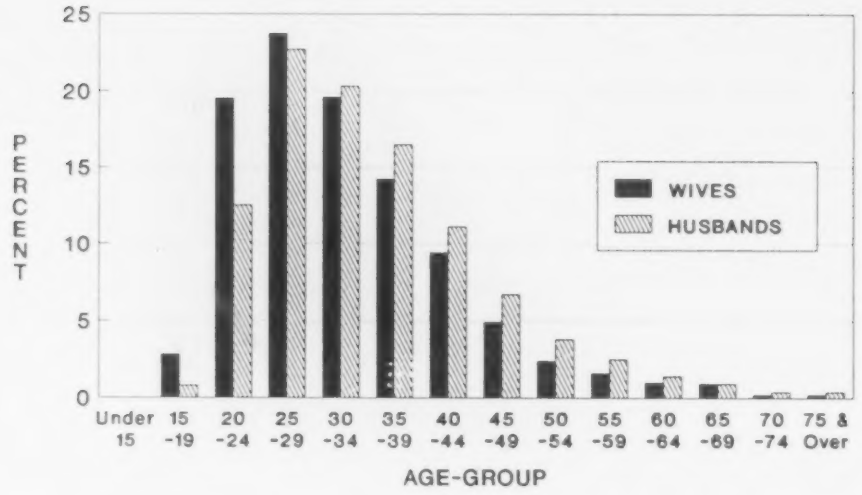
Figure 37

TABLE 47
MARRIAGE DISSOLUTIONS BY AGE-GROUP OF WIFE BY AGE-GROUP OF HUSBAND
KANSAS, 1987

Age-Group of Husband	Total	Age-Group of Wife														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	12,218	-	329	2,283	2,774	2,295	1,668	1,101	573	282	187	114	52	27	28	505
Under 15.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-19.....	87	-	43	29	7	3	-	-	1	-	-	-	-	-	-	4
20-24.....	1,473	-	203	991	173	44	16	3	2	-	-	-	-	-	-	41
25-29.....	2,669	-	51	922	1,283	237	77	20	3	2	-	-	-	1	-	73
30-34.....	2,382	-	8	202	890	971	200	49	10	7	-	-	-	-	-	45
35-39.....	1,943	-	2	65	244	672	742	135	25	6	4	1	-	1	-	46
40-44.....	1,302	-	1	8	73	213	425	451	72	25	6	2	-	-	-	26
45-49.....	788	-	2	7	25	63	119	263	242	33	9	2	2	-	-	21
50-54.....	448	-	-	4	8	24	34	92	141	90	26	10	1	-	-	18
55-59.....	299	-	-	1	6	13	23	42	40	68	65	24	3	1	1	12
60-64.....	164	-	-	-	2	5	4	13	16	31	43	30	8	3	1	8
65-69.....	103	-	-	-	1	3	2	10	4	13	19	30	13	2	1	5
70-74.....	45	-	-	-	1	1	-	1	5	2	5	5	9	9	5	2
75 & Over.....	46	-	1	-	1	1	-	-	1	1	2	5	7	8	18	1
Not Stated....	469	-	18	54	60	45	26	22	11	4	8	5	9	2	2	203

Occurrence data

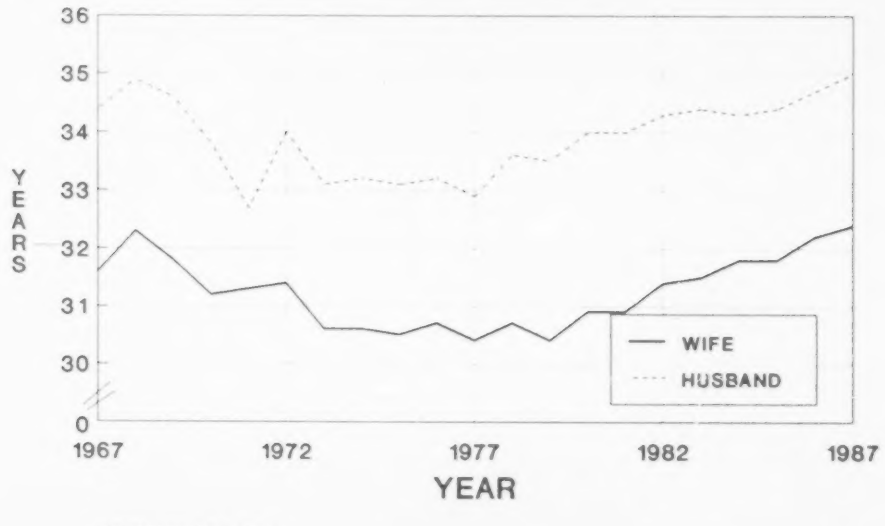
MARRIAGE DISSOLUTIONS: PERCENT DISTRIBUTION BY AGE-GROUP
KANSAS, 1987



OCCURRENCE DATA

Figure 38

AVERAGE AGE AT MARRIAGE DISSOLUTION
KANSAS, 1967-1987



OCCURRENCE DATA

Figure 39

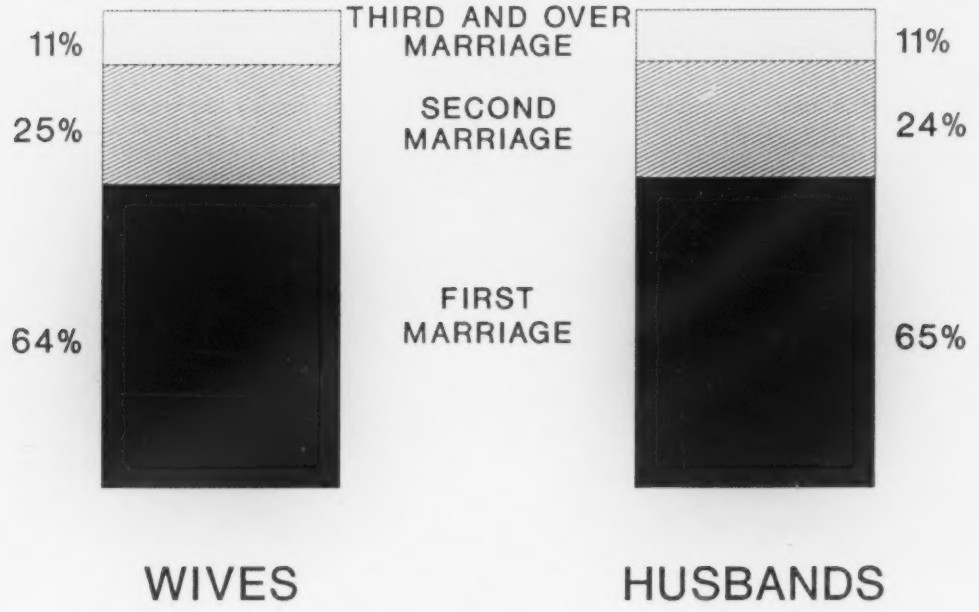
TABLE 48
MARRIAGE DISSOLUTIONS BY NUMBER OF MARRIAGES FOR HUSBAND
BY NUMBER OF MARRIAGES FOR WIFE
KANSAS, 1987

Number of Marriages for Husband	Total	Number of Marriages for Wife									
		First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth & Over	Not Stated
Total.....	12,218	7,651	3,000	979	271	68	28	8	6	7	200
First.....	7,800	6,417	1,056	216	62	9	5	1	1	1	32
Second.....	2,921	987	1,379	405	95	18	12	3	3	2	17
Third.....	904	176	391	226	75	21	5	2	1	2	5
Fourth.....	265	34	110	79	26	9	3	1	1	1	1
Fifth.....	89	9	37	27	6	6	2	-	-	1	1
Sixth.....	23	5	8	7	2	1	-	-	-	-	-
Seventh.....	11	1	3	3	3	-	-	1	-	-	-
Eighth.....	3	-	-	1		2	-	-	-	-	-
Ninth & Over..	3	1	2	-	-	-	-	-	-	-	-
Not Stated....	199	21	14	15	2	2	1	-	-	-	144

Occurrence data

MARRIAGE DISSOLUTIONS: PERCENT DISTRIBUTION BY NUMBER OF MARRIAGES

KANSAS, 1987



OCCURRENCE DATA

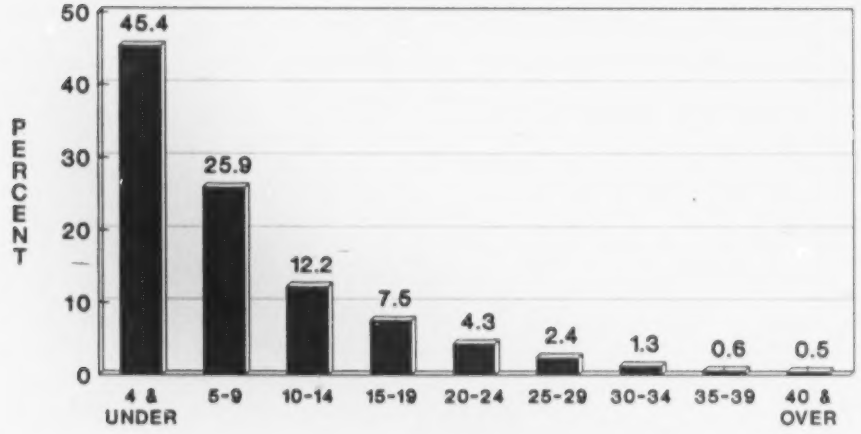
Figure 40

TABLE 49
MARRIAGE DISSOLUTIONS
BY DURATION OF MARRIAGE IN YEARS
KANSAS, 1987

Duration of Marriage	Total	Divorces	Annulment
Total	12,218	11,987	231
Under 1	839	707	132
1	1,271	1231	40
2	1,240	1226	14
3	1,131	1116	15
4	1,002	993	9
5	829	826	3
6	776	772	4
7	602	601	1
8	507	503	4
9	412	411	1
10	376	376	-
11	313	313	-
12	251	251	-
13	271	270	1
14	257	257	-
15	229	229	-
16	206	205	1
17	186	185	1
18	166	166	-
19	122	121	1
20-24	514	514	-
25-29	289	289	-
30-34	151	150	1
35-39	74	73	1
40 & Over	56	56	-
Not Stated	148	146	2

Occurrence data

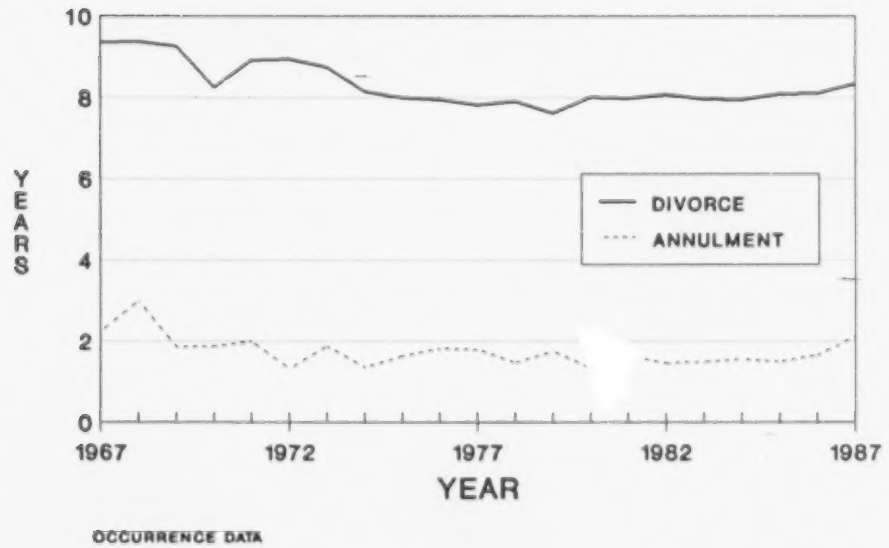
MARRIAGE DISSOLUTIONS: PERCENT DISTRIBUTION BY DURATION OF MARRIAGE
KANSAS, 1987



OCCURRENCE DATA

Figure 41

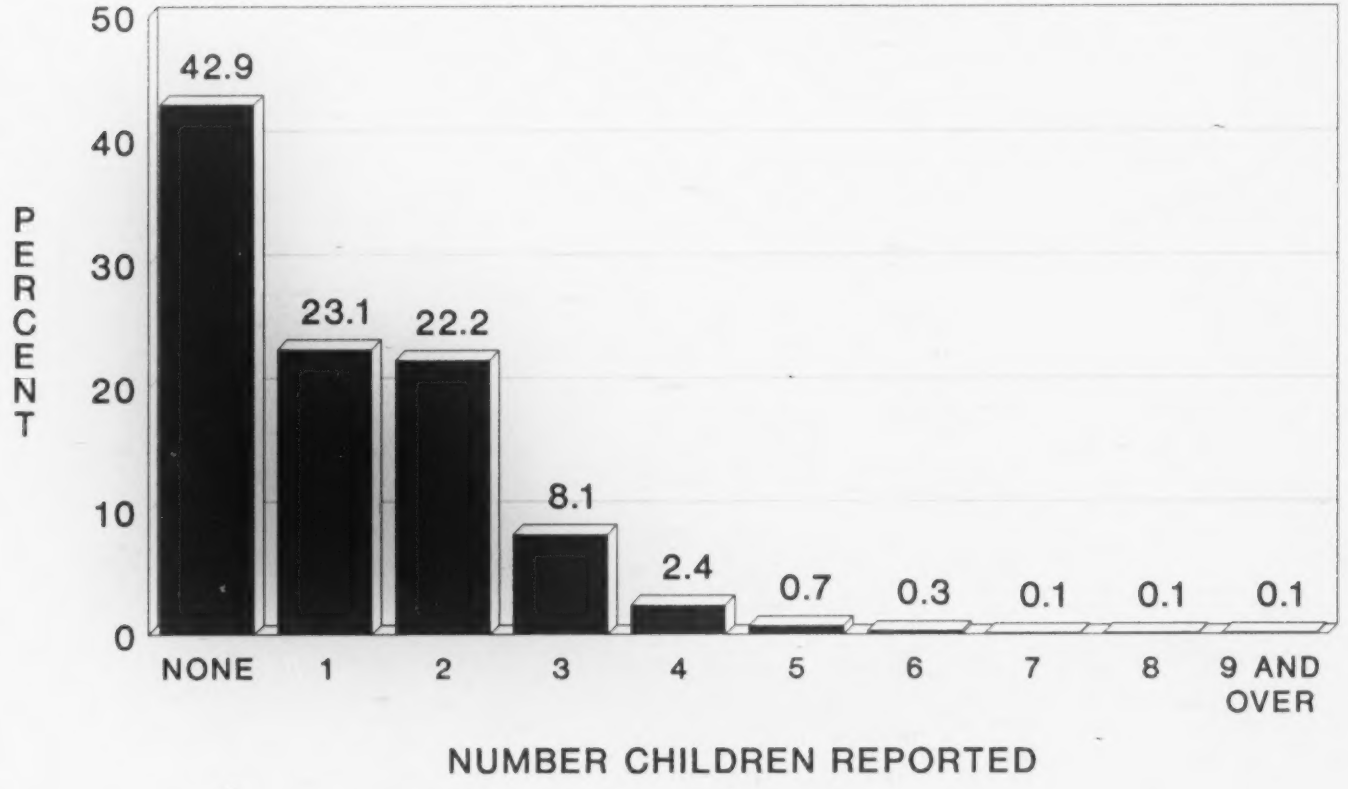
AVERAGE DURATION OF MARRIAGES ENDING IN DIVORCE OR ANNULMENT
KANSAS, 1967-1987



OCCURRENCE DATA

Figure 42

MARRIAGE DISSOLUTIONS: PERCENT
DISTRIBUTION BY NUMBER OF MINOR CHILDREN
KANSAS, 1987



OCCURRENCE DATA

Figure 43

TABLE 50
MARRIAGE DISSOLUTIONS BY NUMBER AND PERCENT
BY NUMBER OF MINOR CHILDREN
KANSAS, 1987

Number of Minor Children Reported	Divorces		Annulments		Total Children
	Number	Percent	Number	Percent	Number*
Total.....	11,987	100.0	231	100.0	13,281
None.....	5,010	41.9	210	92.1	0
1	2,803	23.5	12	5.3	2,815
2	2,703	22.6	4	1.8	5,414
3	990	8.3	1	0.4	2,973
4 or More.....	444	3.7	1	0.4	2,079
Not Stated.....	37	n/a	3	n/a	0

* Represents the number of children involved in marriages ending in divorce or annulment.
Occurrence data

TABLE 51
MARRIAGE DISSOLUTIONS BY RACE OF WIFE BY RACE OF HUSBAND
KANSAS, 1987

Race of Husband	Total	Race of Wife			
		White	Black	Other	Not Stated
Total.....	12,218	11,253	664	191	110
White.....	11,182	11,027	32	106	17
Black.....	784	140	631	13	-
Other.....	141	69	1	71	-
Not Stated.....	111	17	-	1	93

Occurrence data

TABLE 52
MARRIAGE DISSOLUTIONS BY EDUCATION OF WIFE BY EDUCATION OF HUSBAND
KANSAS, 1987

Education of Husband	Total	Education of Wife																		
		Elementary									Secondary				College					Not Stated
		0	1	2	3	4	5	6	7	8	1	2	3	4	1	2	3	4	5+	
Total	12,218	-	1	4	6	9	7	32	38	191	333	678	616	5,975	1,245	962	326	873	467	455
Elementary																				
0 years	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 years	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
2 years	5	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	3
3 years	9	-	-	-	-	-	-	1	-	-	1	2	-	1	-	2	1	-	-	1
4 years	24	-	-	-	-	2	-	1	-	1	1	6	2	7	-	1	-	1	-	2
5 years	24	-	-	-	-	-	2	-	2	3	-	1	3	6	-	1	-	-	-	4
6 years	74	-	-	-	-	-	-	4	2	6	7	8	5	21	4	4	-	1	-	12
7 years	60	-	-	-	1	-	-	-	-	2	8	9	7	27	4	-	-	1	1	-
8 years	293	-	-	-	1	1	1	3	3	22	18	34	26	141	12	13	4	5	2	7
Secondary																				
1 years	274	-	-	-	-	1	1	2	3	16	33	24	34	123	11	11	-	6	3	6
2 years	542	-	-	-	-	1	-	1	3	17	24	79	58	278	37	15	5	10	2	12
3 years	624	-	-	-	-	-	-	2	5	11	35	69	83	312	53	28	11	7	1	7
4 years	5,769	-	1	3	1	3	1	11	11	73	154	336	276	3,646	473	353	89	187	71	80
College																				
1 years	1,002	-	-	-	-	-	2	1	2	11	17	33	42	414	245	105	35	54	29	12
2 years	953	-	-	-	1	-	-	1	2	9	5	24	29	409	149	145	51	89	28	11
3 years	275	-	-	-	-	-	-	-	-	3	5	7	7	96	55	51	19	17	14	1
4 years	1,061	-	-	1	1	1	-	-	1	1	1	10	9	266	116	150	65	334	102	3
5+ years	656	-	-	-	-	-	-	1	-	-	-	2	2	95	63	73	44	157	212	7
Not Stated	572	-	-	-	-	-	-	4	3	16	24	34	33	130	23	10	2	4	2	287

Occurrence data

Technical Notes

TECHNICAL NOTES

Registration. The reporting of Kansas vital events to the Kansas Department of Health and Environment is mandated by law (K.S.A. 65-102). The filing of birth and death records was begun in 1911 and the registration of marriages and divorces were initiated in 1913 and 1951 respectively. Certificates of births, deaths, stillbirths, abortions, marriages and marriage dissolutions are completed by the combined efforts of physicians, hospital personnel, funeral directors and local courts. All certificates are filed with the Office of Vital Statistics by direct reporting or through local registrars. Since registration of vital events began 76 years ago, over 8 million records have been processed, filed and indexed.

Quality of Data. The quality of the analyses in the **Annual Summary of Vital Statistics** depends on the accuracy of the Kansas vital statistics data. The Office of Vital Statistics makes every effort to ensure the completeness and accuracy of the certificates filed. An interchange agreement with all 50 states and Canada ensures that vital events occurring to Kansas residents in other states or Canada are recorded. Tabulation of vital events for 1987 is maintained through March 15, 1987. Reports filed after that date consist of less than 1 percent of the total reports filed, are considered negligible and are omitted from this report.

Residence vs Occurrence Data. Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state). Occurrence data is information compiled according to the geographical location where the event took place, regardless of the actual residence. Information compiled for births, fetal deaths, deaths and abortions in this report are residence data, while marriages and marriage dissolutions are occurrence data.

Population. County and state population estimates used for this report for years prior to 1987 were obtained from the **Local Population Estimates, Series P-26**, U.S. Department of Commerce, Bureau of the Census (U.S.C.B.). Current population estimates were obtained from the Division of Budget as Kansas' representative in the Federal-State Cooperative Program for Local Population Estimates.

City population estimates for even years were provided by the **Local Population Estimates, Series P-26**, U.S.C.B. Estimates for odd years were derived as follows:

$$\text{1987 City Population} = \frac{\text{City population, 1986}}{\text{County population, 1986}} \times \text{1987 County Population}$$

Population estimates by age-group and sex were obtained from the **State Population and Household Estimates, with Age, Sex and Components**

of Change: 1981-86, Series P-25, No. 1010, U.S.C.B. and 1987 estimates were obtained by request from the U.S.C.B. These estimates were used in age-specific and age-adjusted calculations. Due to the availability of this more recent data, age and sex information is presented for the years 1980-1987 in this report. In previous publications of the **Annual Summary of Vital Statistics,** population estimates were obtained from several sources, therefore, rates and ratios presented in this publication will differ from those in previous years.

Deaths. All causes of death are coded in accordance with the **International Classification of Diseases, Ninth Revision, (ICD-9), 1979,** (World Health Organization). Accuracy of causes of death are dependent on the completeness of the information provided by the physician concerning immediate and underlying causes of death. The 'underlying cause of death' is the cause considered responsible for the sequence of events leading directly to death. Once the appropriate codes are tabulated for a death, the codes are analyzed by the ACME (Automated Classification of Medical Entities) system as specified by the National Center for Health Statistics. Subsequently, a final underlying cause of death is assigned to each death.

Age-adjusted Death Rates. The direct method for calculating age-adjusted death rates was used in this report. Crude death rates (deaths/total population) are not sensitive to the variety of rates existing in a population. For example, crude death rates are higher among the elderly, but rates are lower in the younger age-groups. Large proportions of the elderly population may increase the crude death rate while death rates for other age-groups remain stable. Age-adjusting death rates eliminates the effects of differences in population composition with respect to age. Age-adjusted death rates are useful for comparison purposes and are only valid when compared to rates that were calculated in a similar manner. For this report, age-adjusted death rates were calculated using the U.S. 1940 standard population, because comparisons to age-adjusted death rates were made to U.S. data.

Race determination for infants. Prior to 1986, the race of the infant was based on the race of the mother as shown on the live birth certificate. Since 1986, the race of the infant has been classified by the race of both the mother and father according to a computerized method used by the National Center for Health Statistics. For example, when only one parent is white, the child is assigned the other parent's race. When neither parent is white, the child is assigned the father's race unless the mother is Hawaiian and then the child is considered Hawaiian. If race were missing for one parent, the child is assigned the race of the parent for whom race is given.

Rate reliability. Vital statistics are easily influenced by random variation and single-year rates can fluctuate from year to year. A multiple-year rate such as a 5- or 10- year average of single-year rates would be more accurate in formulating conclusions on vital events. For example, the infant death rate for Kansas has ranged from 10.1 to 8.6 and 9.2 infant deaths per 1,000 live births in 1983, 1986 and 1987 respectively. The 1983-1987 5-year infant death rate for Kansas (Table 1) was 9.4 infant deaths per 1,000 live births. The 5-year rate smooths

some of the variation in single-year rates and would be a more reliable indicator of infant death rates in Kansas.

Rates based on a small or large number of events in a sparsely populated area can vary widely. To exemplify the variation that may occur with a small number of events, in 1987, Hodgeman County was the least populated county in Kansas with 2,200 residents and Sedgwick County was the largest with 394,700 residents. With 31 deaths occurring in Hodgeman County in 1987, the crude death rate would be 14.0 deaths per 1,000 population, whereas, 2,951 deaths occurring in Sedgwick County represents a crude death rate of 7.5 deaths per 1,000 population. If 5 more deaths occurred in each county (e.g., multiple-death accident) Hodgeman County's crude death rate would increase to 16.3 deaths per 1,000 population. Sedgwick County's crude death rate would increase by only a few hundredths and with rounding, still remain 7.5 deaths per 1,000 population. Therefore, one must use caution when comparing rates of vital events between counties of extreme population sizes to avoid misleading conclusions.

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretation of the data contained in this report.

Abortion: (induced termination pregnancy) which	The deliberate interruption of pregnancy with the intention other than to produce a live born infant or to remove a dead fetus and does not result in a live birth.
Annulment:	The invalidation of a marriage contract.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Congenital Anomalies:	Defects existing at and usually before birth regardless of causation.
Divorce:	The dissolution of a legally binding marriage contract.
Fetal Death:	The complete expulsion or extraction of a product of human conception from its mother, that weighs more than 350 grams and is, irrespective of the duration of pregnancy, not a live birth. (Intentionally aborted fetuses that weigh more than 350 grams are not included as fetal deaths in this report.)
Hebdomadal Death:	The death of a liveborn infant which occurs prior to the seventh day of life.
I.C.D. Code:	The cause-identifying number classified in the Ninth Revision of the International Classification of Diseases adopted in 1979.
Infant Death:	The death of a liveborn infant which occurs within the first year of life.
Legal Intervention:	Includes legal execution and injuries inflicted by the police or other law-enforcing agents, including military on duty in the course of arresting or attempting to arrest law breakers, suppressing disturbances, maintaining order and other legal action.

Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.
Marriage:	The legal union of a male and female.
Marriage Dissolution:	A marriage dissolved by either a divorce or an annulment.
Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth or the puerperium.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a liveborn infant which occurs prior to the twenty-eighth day of life.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event happened.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception, or at the time of birth, or at any time between conception and birth.
Perinatal Period III Death:	The aggregate total of fetal deaths (fetus weighs over 350 grams) and hebdomadal deaths (deaths that occur prior to the 7th day of life.)
Population Density:	The average number of inhabitants per square mile.
Puerperium:	Period of time after delivery, usually six to eight weeks during which all maternal reproductive organs return to the normal pre-pregnancy condition.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Total Births:	All live births plus fetal deaths.

RATES AND RATIOS

Abortion Ratio: $\frac{\text{induced abortions}}{\text{live births}}$ x 1,000

Age-Adjusted Death Rate: $\frac{\sum M_a P_a}{P}$ x 1,000

Where M_a = age-specific death rate per 1,000 population for a given age-group
P_a = standard population in a given age-group
P^a = total standard population

Age-Specific Death Rate: $\frac{\text{deaths in a specific age-group}}{\text{population in a specific age-group}}$ x 1,000

Age-Specific Fertility Rate: $\frac{\text{live births in a specific age-group}}{\text{female population in a specific age-group}}$ x 1,000

Birth Rate: $\frac{\text{live births}}{\text{total population}}$ x 1,000

Cause-Specific Death Rate: $\frac{\text{cause-specific deaths}}{\text{total population}}$ x 100,000

Death Rate: $\frac{\text{total deaths}}{\text{total population}}$ x 1,000

Divorce Rate: $\frac{\text{divorces}}{\text{total population}}$ x 1,000

Marriage Dissolution Rate: $\frac{\text{divorces and annulments}}{\text{total population}}$ x 1,000

Fertility Rate: $\frac{\text{live births}}{\text{female population 15-44}}$ x 1,000

Fetal Death Rate: $\frac{\text{fetal deaths}}{\text{total births}}$ x 1,000

Hebdomadal Death Rate: $\frac{\text{hebdomadal deaths}}{\text{live births}}$ x 1,000

Infant Death Rate: $\frac{\text{infant deaths}}{\text{live births}}$ x 1,000

Marriage Rate: $\frac{\text{marriages}}{\text{total population}}$ x 1,000

Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	x 10,000
Natural Increase Rate:	live birth rate minus total death rate	
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	x 1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	x 100
Perinatal Period III Death Rate:	$\frac{\text{perinatal period III deaths}}{\text{total births}}$	x 1,000

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
-	zero
0.0	quantity or percent more than zero but less than 0.05.

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S2975-1-U

February 1, 1989

Enclosed you will find errata for the 1987 edition of the **Annual Summary of Vital Statistics** of Kansas. Please note the changes on **pages 30 and 31, Table 5, Live Births by Number and Rate by County of Residence.** Kindly place the replacement page in the appropriate place of your copy of the **Annual Summary of Vital Statistics.**

Also please note the change in the last sentence of **page 28, Pregnancy Outcome Highlights:**

infant death rate of 8.6 **in 1986. For comparison, the 1987**

We apologize for any inconvenience you may have experienced.

ERRATA FOR TABLE 5, PAGES 30,31
LIVE BIRTHS BY NUMBER AND RATE*, KANSAS, 1987

County of Residence	1987 Number	1987 Rate	5-Year Rate
Kansas.....	38,435	15.5	16.1
Allen.....	198	12.9	14.7
Anderson.....	102	12.4	13.1
Atchison.....	252	14.2	14.1
Barber.....	85	12.9	15.5
Barton.....	473	15.1	17.6
Bourbon.....	200	13.0	15.1
Brown.....	169	15.0	15.2
Butler.....	731	14.9	14.8
Chase.....	30	10.0	12.6
Chautauqua...	54	11.7	12.7
Cherokee.....	270	12.2	13.0
Cheyenne.....	34	9.7	13.6
Clark.....	31	11.9	12.7
Clay.....	113	12.2	13.0
Cloud.....	132	11.5	13.3
Coffey.....	106	11.8	13.6
Comanche.....	30	12.5	12.8
Cowley.....	528	14.3	14.6
Crawford.....	433	11.6	13.2
Decatur.....	49	11.7	13.7
Dickinson....	250	12.5	12.8
Doniphan.....	111	12.3	13.8
Douglas.....	995	13.2	13.7
Edwards.....	55	14.1	13.6
Elk.....	38	10.6	11.0
Ellis.....	341	12.7	16.2
Ellsworth....	81	13.3	13.5
Finney.....	756	24.9	26.2
Ford.....	559	21.2	21.0
Franklin.....	338	15.2	15.1
**Geary.....	1,128	37.9	39.0
Gove.....	41	12.1	14.9
Graham.....	40	10.5	13.9
Grant.....	130	19.1	21.8
Gray.....	110	20.4	20.3
Greeley.....	30	16.7	17.4
Greenwood....	103	12.7	12.5
Hamilton.....	28	11.2	14.8
Harper.....	77	10.3	12.9
Harvey.....	422	13.7	14.5
Haskell.....	80	20.0	18.8
Hodgeman.....	30	13.6	17.7
Jackson.....	146	12.4	14.6
Jefferson....	212	12.9	13.3
Jewell.....	59	12.8	12.7
Johnson.....	5,117	15.3	15.0
Kearny.....	85	21.3	21.1
Kingman.....	113	12.7	14.7
Kiowa.....	55	14.5	14.4
Labette.....	346	13.5	14.3
Lane.....	33	13.8	15.1
Leavenworth..	850	13.1	13.4
Lincoln.....	36	10.0	9.9
Linn.....	90	11.1	12.5
Logan.....	41	12.4	14.4
Lyon.....	578	16.6	17.3
Marion.....	141	11.0	12.4
Marshall.....	166	13.4	14.2
McPherson....	378	13.8	14.8
Meade.....	67	15.2	16.5
Miami.....	358	15.5	14.5
Mitchell.....	87	11.6	13.2
Montgomery...	579	14.2	14.7
Morris.....	82	13.0	13.4
Morton.....	59	16.9	17.7
Nemaha.....	146	13.5	15.9
Neosho.....	233	12.7	14.3
Ness.....	49	11.4	15.8
Norton.....	64	9.8	12.5
Osage.....	199	12.5	13.1
Osborne.....	57	10.6	12.5
Ottawa.....	65	11.2	13.8
Pawnee.....	82	10.8	13.0
Phillips.....	84	12.2	13.2
Pottawatomie.	240	15.1	16.9
Pratt.....	120	11.5	14.7
Rawlins.....	47	12.7	14.3
Reno.....	903	13.9	14.6
Republic.....	88	12.6	12.3
Rice.....	149	13.4	14.4
**Riley.....	1,051	17.0	16.0
Rooks.....	84	13.1	15.6
Rush.....	34	8.7	11.5
Russell.....	98	11.8	13.8
Saline.....	716	14.2	15.3
Scott.....	72	12.9	15.3
Sedgwick.....	7,274	18.4	18.6
Seward.....	395	21.0	21.5
Shawnee.....	2,386	14.7	14.8
Sheridan.....	42	12.7	15.1
Sherman.....	96	13.7	15.9
Smith.....	46	8.4	10.5
Stafford.....	69	12.8	14.0
Stanton.....	42	17.5	16.7
Stevens.....	77	15.7	17.3
Sumner.....	356	14.1	14.8
Thomas.....	120	14.3	16.3
Trego.....	47	12.1	13.7
Wabaunsee....	77	11.3	13.6
Wallace.....	45	22.5	18.8
Washington...	87	11.8	11.1
Wichita.....	40	13.8	16.5
Wilson.....	147	12.7	13.1
Woodson.....	50	12.2	14.2
Wyandotte....	3,017	17.4	18.2

*RATE PER 1,000 POPULATION
**ALL BIRTHS OCCURRING AT IRWIN ARMY HOSPITAL TO FT. RILEY RESIDENTS WERE RECORDED FOR GEARY COUNTY EVEN WHEN RILEY WAS THE COUNTY OF RESIDENCE.